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GUIDELINES FOR AIR QUALITY MAINTENANCE PLANNING AND ANALYSIS. VOLUME 13

ALLOCATING PROJECTED EMISSIONS TO SUBCOUNTY AREAS. APPENDICES A AND B

ENVIRONMENTAL PROTECTION AGENCY

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VOLUME 13:

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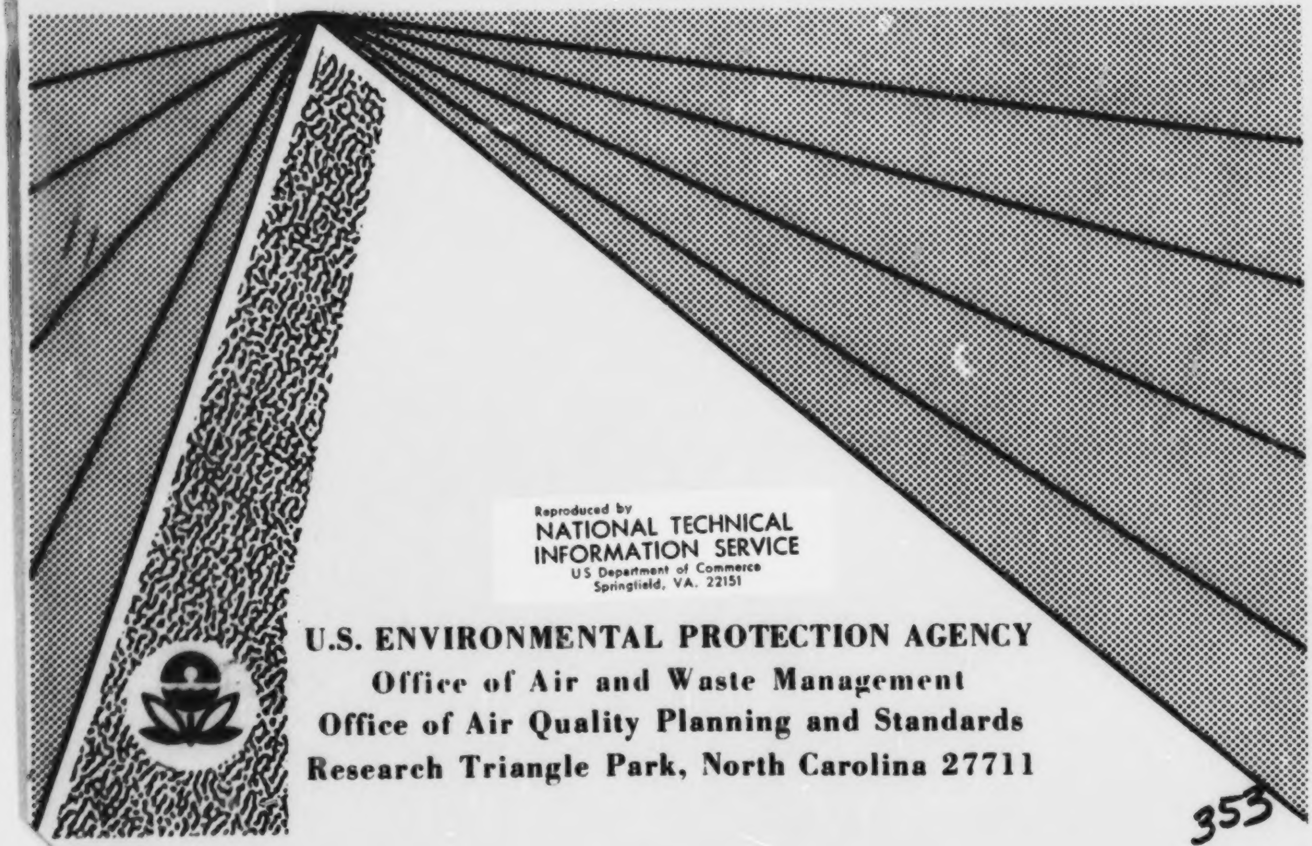

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Appendices A and B of Volume 13: Allocating Projected Emissions to Subcounty Areas illustrate a test of the procedures applied to Fulton County (Atlanta) Georgia. The results of this test case demonstrate that the Order 3 procedures yield the most refined estimates of emissions allocated to subcounty areas and prospective users are encouraged to employ these procedures wherever the availability of detailed data and manpower resources permit.

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VOLUME 13:

ALLOCATING PROJECTED EMISSIONS TO SUBCOUNTY AREAS

APPENDICES A and B

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Air and Waste Management
Office of Air Quality Planning and Standards
Research Triangle Park, N. C. 27711

March 1975

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FOREWORD

These appendices provide documentation of a test case for the Subcounty Emission Allocation technique described in the thirteenth volume of a series comprising Guidelines for Air Quality Maintenance Planning and Analysis. The intent of the series is to provide state and local agencies with information and guidance for the preparation of Air Quality Maintenance Plans required under 40 CFR 51. The volumes in this series are:

Volume 1: Designation of Air Quality Maintenance Areas
Volume 2: Plan Preparation
Volume 3: Control Strategies
Volume 4: Land Use and Transportation Considerations
Volume 5: Case Studies in Plan Development
Volume 6: Overview of Air Quality Maintenance Area Analysis
Volume 7: Projecting County Emissions
Volume 8: Computer-Assisted Area Source Emissions Gridding Procedure
Volume 9: Evaluating Indirect Sources
Volume 10: Reviewing New Stationary Sources
Volume 11: Air Quality Monitoring and Data Analysis
Volume 12: Applying Atmospheric Simulation Models to Air Quality Maintenance Areas
Volume 13: Allocating Projected Emissions to Subcounty Areas

Additional volumes may be issued.

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APPENDIX A

Trial Application of the Subcounty Emission Allocation Procedures to Fulton County, Georgia; Summary

A.1 Introduction

This appendix illustrates results from the practical application of the methodology for Allocating Projected Emissions to Subcounty Areas to Fulton County (Atlanta), Georgia. Fulton was selected as a case study for this procedure because it represents a typical medium-sized Air Quality Control Region (AQCR) county. The case study therefore provides a reasonable example of the kinds of data that are available, the types of assumptions that will be necessary to apply these data to the methodology, and the level of effort needed to complete the allocations for an average size county.

It has been impossible to append to this volume of the Guidelines all of the tables necessary for the Fulton County test case. Therefore, the results of this practical exercise have been published in two Appendices. Appendix A, which is here attached to Volume 13, describes how data were adapted for implementation and briefly highlights results obtained from the Fulton County analysis. The complete set of tables generated for the test case have been published separately as Appendix B. Copies of Appendix B are available upon request from the USEPA Air Pollution Technical Information Center, Research Triangle Park, North Carolina 27711 and from the National Technical Information Service, 5825 Port Royal Road, Springfield, Virginia 22161.

In addition to this introduction, which constitutes Section 1, Appendix A is divided into three other sections. Section 2 is subdivided into five parts that correspond with each of the different types of sources treated in Allocating Projected Emissions to Subcounty Areas (e.g., residential fuel combustion, transportation, commercial/institutional fuel combustion, industrial process and fuel combustion, and solid waste incineration. Each of these sections discusses the allocation Order applied, data employed, assessments of the quality and suitability of these data to the specified procedure, problems encountered, and assumptions in force. The text pertaining to each source category also includes a brief summary of emission results and, where possible, compares the results with calculations that have been independently prepared elsewhere. Section 3 of Appendix A deals with the master gridding technique applied to Fulton County. The procedure is described and a map illustrating the gridded overlay is presented. Section 4 presents the final output of the subcounty emission allocation methodology. In addition to illustrating the summary tables, conclusions and recommendations for further analysis are presented here.

A.2 Emission Sources

A.2.1 Residential Fuel Combustion Emissions

To gain a better understanding of the sensitivity of area source (e.g., residential fuel combustion, commercial/institutional fuel combustion and solid waste incineration) emission calculations to the choice of allocation Order, residential fuel combustion emissions were computed for 1970, using each of the three Orders. While there was no significant difference in the estimates of countywide fuel use when treated by the different Orders, the Order 3 estimates of fuel combustion for particular subareas were different from those derived from the Order 1 and 2 computations. Therefore, because the Order 3 calculation typically yields a more accurate characterization of fuel use for particular subareas, it should be preferred wherever data and resources permit its use.

Fulton County's residential fuel combustion emissions were projected for 1975, 1980, and 1985 using an Order 3 analysis. The number of dwelling units in each of seven municipalities within Fulton County was obtained for 1970 from the 1972 County and City Databook, and projections for the number of households in these subareas for 1975, 1980, and 1985 were taken from computer output supplied by the Atlanta Regional Commission (ARC). Growth factors for the five-year periods 1970-75, 1975-80, and 1980-85 were then computed for the households in each subarea. Table A.2-1 enumerates the raw household data and the growth factors that were developed from them. These growth factors were then sequentially applied to the 1970 dwelling-unit base data to project the number of dwelling units in each subarea for 1975, 1980, and 1985. Thus, by making the assumption that the number of households mirrors the number of dwelling units, it was possible to carry out the Order 3 computation.

Residential building size and fuel use distributions were obtained from the 1970 Census of Housing. As it was not possible to obtain these data from the ARC Data Center, the building size and fuel use distributions were held constant from 1970 through 1985. The fuel combustion emission factors taken from The Compilation of Air Pollutant Emission Factors (AP-42) were also held constant over the study period. Therefore, because it was assumed that the number of dwelling units changed, proportionate to the five-year growth rates, emissions were sequentially calculated for each forecast year as the

Table A.2-1

Total Households and Growth Factors
Fulton County, Georgia

Subareas	Households 1970	Growth Factor 1970-75	Households 1975	Growth Factor 1975-80	Households 1980	Growth Factor 1980-85	Households 1985	Households[a] 1990
Atlanta	148,750	1.04	155,113	1.04	161,473	1.07	173,383	185,293
Fairburn	1,211	1.36	1,642	1.26	2,074	1.40	2,913	3,752
Hapeville	3,517	1.06	3,747	1.06	3,977	1.04	4,152	4,328
Rosswell	2,326	1.47	3,428	1.32	4,531	1.32	6,035	7,539
Union City	1,893	1.50	2,840	1.33	3,787	1.32	4,998	6,210
East Point	13,005	1.16	15,156	1.14	17,306	1.09	18,874	20,441
College Park	5,446	1.35	7,356	1.26	9,267	1.12	10,356	11,444
SUBAREA TOTAL	176,151	1.08	189,282	1.07	202,415	1.09	220,711	239,007
Residual	21,401	1.52	32,538	1.23	43,674	1.47	64,151	84,628
FULTON COUNTY TOTAL	197,552	1.12	221,820	1.11	246,089	1.16	284,862	323,635

---

[a] Growth factors were not computed for the five-year period 1985-90. The 1990 data were used only to interpolate the projected number of households for 1985.

product of the growth rate and emissions from the previous year beginning with 1970 as the base year. The 3.1-9 Tables illustrate Fulton County emissions distributed among the seven municipalities and the Residual for 1970 and 1975.

Minor problems were encountered in trying to determine the geographic compatibility between municipalities as defined by the U.S. Bureau of the Census and ARC, and it was necessary to assume a one-to-one relationship between household and dwelling unit growth rates. Nevertheless, we feel that this Order 3 analysis provided more realistic estimates of emissions for the particular municipalities than would have been the case if Orders 1 and 2 had been used. We would, therefore, encourage prospective users to make similar assumptions if they lead to the use of data that facilitate the application of Order 3.

Table 3.1-9

Residential Fuel Combustion Emissions Allocated to Subcounty Areas

A. County Fulton
B. Year 1970
C. Allocation Order 3

(1) Subarea	(2) Part.	(3) SO_x	(4) CO	(5) HC[a]	(6) NO_x[a]
	Emissions (tons/yr)				
Atlanta	146.74	197.75	136.36		
Fairburn	2.16	6.13	1.63		
Hapeville	7.15	20.21	5.57		
Rosswell	3.37	9.54	2.62		
Union City	1.74	4.91	1.36		
East Point	26.02	73.51	20.28		
College Park	2.77	.09	2.92		
SUBAREA TOTAL	189.96	312.16	170.73		
Residual	51.52	145.85	40.11		
D. COUNTY TOTAL	241.48	457.99	210.84		

[a] These pollutants have been excluded from this analysis as they will be treated on an AQCR basis.

Table 3.1-9

Residential Fuel Combustion Emissions Allocated to Subcounty Areas

A. County Fulton
B. Year 1975
C. Allocation Order 3

(1) Subarea	Emissions (tons/yr) (2) Part.	(3) SO_x	(4) CO	(5) HC[a]	(6) NO_x[a]
Atlanta	153.05	206.25	142.22		
Fairburn	2.93	8.31	2.21		
Hapeville	7.61	21.52	5.93		
Rosswell	4.97	14.06	3.86		
Union City	2.61	7.36	2.04		
East Point	30.31	85.64	23.63		
College Park	3.74	.12	3.94		
SUBAREA TOTAL	205.22	343.26	183.83		
Residual	78.31	221.69	60.97		
D. COUNTY TOTAL	283.53	564.95	244.80		

[a] These pollutants have been excluded from this analysis as they will be treated on an AQCR basis.

A.2.2 Transportation Emissions

An Order 1 analysis was used to project and allocate transportation emissions in Fulton County because more detailed data needed to carry out the higher Order calculations could not be obtained and implemented within the time frame of the case study. This analysis was confined to limited and non-limited access highways, and we feel that the motor vehicle emissions estimates are conservative (i.e., high), because the method used to forecast emissions was not adjusted to consider the existence and/or expansion of the Metropolitan Atlanta Rapid Transit System (MARTA) or the construction of any additional highway or arterial street links. Therefore, the emission forecasts for 1975, 1980, and 1985 are not expected to be representative of the actual situation in Fulton County, Georgia.

Necessary forecasts of Vehicle Miles Traveled (VMT) were derived from population projections. Population data for Fulton County and each of the seven municipalities used as subareas for the residential fuel combustion analysis were obtained for 1970, 1980, and 1990 from ARC. Population growth rates were then calculated for each of the three five-year intervals (1970-75, 1975-80, and 1980-85) by interpolating from the decade-based data, such that the percentage growth in the first five years equaled the percentage growth in the second five years. These population growth rates for the Fulton County subareas are shown in Table A.2-2.

VMT for limited and non-limited access highways were derived from the population forecasts using 1970 as the base. VMT for each limited access highway link was then calculated successively for each projection year (1975, 1980, and 1985) by multiplying VMT from the previous year (beginning with 1970) by the countywide population growth rate for the appropriate five-year interval. Thus, annual miles driven on limited access highways for each vehicle class is assumed to increase at the same rate as total population growth in the county, and the volume on every highway link is assumed to grow at these same rates. Growth in VMT for non-limited access highways was also linked to population growth. But instead of keying it to estimates of countywide population growth, non-limited access highway links were specifically located in the seven municipalities or treated as rural road links. In this way VMT increases for non-limited access highways were broken down and projected according to growth rates for the specific subareas considered (e.g., municipalities).

Table A.2-2

Population Growth Factors: Fulton County, Georgia

Subareas	1970-75	1975-80	1980-85
Atlanta	.97	.96	1.04
Fairburn	1.47	1.48	1.33
Hapeville	1.02	1.03	.98
Rosswell	1.64	1.65	1.32
Union City			1.28
East Point	1.11	1.11	.99
College Park	1.42	1.41	1.06
SUBAREA TOTAL	1.01	1.02	1.05
Residual	1.33	1.33	1.45
FULTON COUNTY TOTAL	1.05	1.05	1.13

The above procedures were implemented merely as substitutes for State Highway Department projections of VMT that could not be obtained in time to prepare the Fulton County example. Due to extensive transportation planning at the state and county levels and the Federal Highway Administration 3-C planning requirements, it is unlikely that similar deficiencies of data will occur where the Subcounty Emission Allocation procedures are to be applied. Therefore, it is not recommended that forecasts be developed using the procedure employed here, because the effects of all known changes, such as Atlanta's new transit system (MARTA) and proposed highway construction, should be accounted for in any forecast of VMT.

Two additional assumptions were employed in the Fulton County test case. These are more generally applicable to the country as a whole, and we recommend their use where data are lacking for a specific county under study. First, the national average vehicle age distribution from the Compilation of Air Pollutant Emission Factors (AP-42), weighted by annual miles driven in Fulton County, was applied to all forecast years. We reasoned that the vehicle age distribution will change in the future but such modified projections could not be obtained. Second, the speed correction factors for limited access highways were also determined using AP-42 and the average speed for these highways was assumed to be 45 mph, which is a conservative estimate.

As an overall assessment of these estimates for mobile source emissions, correlation analyses conducted at Argonne have indicated that population is a rather strong predictor of VMT. Based on these results, the emission estimates developed in this population-based analysis are judged to be as refined as the Order 1 procedure will permit under the conditions specified above. The availability of more refined highway data and a mobile source emissions model would undoubtedly yield more accurate predictions of transportation emissions than has been possible here. The 3.2-11 Table illustrates the summary allocation of transportation emissions to subareas of Fulton County for 1980.

Table 3.2-11

Transportation Emissions Allocated to Subcounty Areas

A. County Fulton
B. Year 1980
C. Allocation Order 1

	Emissions (tons/yr)				
(1) Subarea	(2) Part.	(3) SO_x	(4) CO	(5) HC^a	(6) $NO_x{}^a$
Atlanta	527.0	202.2	31975.8		
Fairburn	8.3	3.2	492.6		
Hapeville	12.6	4.9	748.4		
Rosswell	18.4	7.1	1100.4		
Union City	15.9	6.1	945.0		
East Point	60.1	23.2	3585.7		
College Park	30.9	11.9	1833.7		
SUBAREA TOTAL	672.8	259.3	40681.5		
Residual	204.0	78.6	12208.2		
D. COUNTY TOTAL	876.8	337.9	52889.7		

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[a] These pollutants have been excluded from this analysis as they will be treated on an AQCR basis.

A.2.3 Commercial/Institutional Fuel Combustion Emissions

An Order 2 analysis was performed to allocate emissions resulting from the combustion of fuel used to heat commercial and institutional buildings in Fulton County. This was chosen as the highest Order of analysis feasible because the building size and fuel use distributions required for an Order 3 analysis were not available. Therefore, the allocated emissions derived from this investigation are characteristic of those that can be anticipated from the intermediate level of detail.

To obtain projections of commercial/institutional employment necessary for the Order 2 analysis, data were obtained from ARC and the 1972 County and City Databook. The employment projections supplied by ARC were provided in the form of computer output displaying the total number of employees for 1970, 1980 and 1990 in each of ten Superdistricts that comprise Fulton County. These Superdistricts were listed as follows:

Number	Designation
10	Atlanta, CBD
11	Atlanta, Northeast
12	Atlanta, Northwest
13	Atlanta, Southeast
14	Atlanta, Southwest
15	Tri-Cities
16	South Fulton
17	Atlanta, Buckhead
18	Sandy Springs
19	North Fulton

As a first step the total number of employees for 1970, 1980 and 1990 were interpolated to obtain estimates of 1975 and 1985 employment for the County and each of the Superdistricts.

Since the ARC data enumerated only the total number of employees, it was necessary to estimate the number of persons employed in commercial and institutional establishments, based on 1970 employment percentages enumerated in the Databook. The percentage of commercial/institutional employees was developed for the county and municipalities with 1970 populations of 25,000 or more, by summing the employment percentages for wholesale and retail trade, services and educational services available in the Databook. Because the applicable information in the Databook pertained only to municipalities with 1970 populations of 25,000 or more, the commercial/institutional employment percentages were applied to the various Superdistricts in the following way. A constant commercial/institutional percentage was applied to each of the six Atlanta Superdistricts (numbers 10, 11, 12, 13, 14 and 17). By the same token, the commercial/institutional employment percentage obtained for East Point was applied to the Tri-Cities Superdistrict (Number 15).* Using the total number of employees from the ARC data and the employment percentages derived from the Databook, the number of commercial/institutional employees were calculated for the County as a whole and for Superdistricts 10, 11, 12 13, 14, 15 and 17. These numbers were obtained for each area by multiplying the total number of employees by the commercial/institutional employment percentage. The 1970 commercial/institutional employment percentage was uniformly applied to the total number of employees for 1970 and each forecast year (1975, 1980 and 1985) to obtain the number of commercial/institutional employees for each year under investigation. This calculation is summarized in formula (1).

$$(1) \quad CIE_{ij} = TE_{ij} \times PCIE_{i1970}$$

where:

CIE_{ij} = Commercial/institutional employees in Superdistrict (or County) i in year j.

TE_{i} = Total employees in Superdistrict (or county) i in year j.

$PCIE_{i1970}$ = Percent of employment in commercial and institutional establishments in Superdistrict (or county) i in 1970.

---

*Although there are three municipalities (College Park, East Point and Hapeville) located in this Superdistrict, only East Point had a 1970 population greater than 25,000 and was therefore the only place for which data were enumerated in the 1972 County and City Databook.

The remaining Superdistricts (e.g., numbers 16, South Fulton; 18, Sandy Springs; and 19, North Fulton) were treated as the Residual for Fulton County because the necessary commercial/institutional employment percentages for these areas could not be obtained from the Databook. Thus, the number of employees treated in this Residual had to be estimated from the county total and Superdistricts already considered. The commercial/institutional employees for Superdistricts 10, 11, 12, 13, 14, 15 and 17 were summed and this result was subtracted from the total number of commercial/institutional employees for Fulton County to obtain the commercial/institutional employees for the Residual.

The number of employees used to generate the proportions by which commercial/institutional emissions were allocated are shown in Table A.2-3. The 3.3-11 Table illustrates allocated commercial/institutional fuel combustion emissions for 1975.

Table A.2-3

Commercial/Institutional Employment: Fulton County, Georgia

SD #	Name	1970	1975	1980	1985
10	Atlanta, CBD	41,877	45,091	48,305	50,925
11	Atlanta, Northeast	37,957	38,150	38,342	38,777
12	Atlanta, Northwest	21,211	23,736	26,261	29,249
13	Atlanta, Southeast	18,619	19,641	20,663	22,046
14	Atlanta, Southwest	14,800	16,064	17,329	20,149
17	Atlanta, Buckhead	13,798	15,801	17,804	19,877
15	Tri-Cities	16,511	18,151	19,790	22,471
	Residual[a]	4,858	10,664	16,470	23,505
FULTON COUNTY TOTAL		169,631	187,298	204,964	226,999

---

[a] This residual is comprised of superdistricts #16 (South Fulton), #18 (Sandy Springs) and #19 (North Fulton).

Table 3.3-11

Commercial/Institutional Fuel Combustion Emissions Allocated to Sub-County Areas

A. County Fulton
B. Year 1975
C. Allocation Order 2

(1) Subarea	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC^a	(6) $NO_x{}^a$
10 - CBD	55.95	85.02	47.25		
11 - Northeast	47.12	71.59	39.80		
12 - Northwest	29.48	44.80	24.90		
13 - Southeast	24.37	37.02	20.58		
14 - Southwest	19.96	30.35	16.86		
15 - Tri-Cities	22.53	34.22	19.02		
17 - Buckhead	19.51	29.63	16.47		
SUBAREA TOTAL	218.92	332.63	184.88		
Residual	13.23	20.09	11.17		
D. COUNTY TOTAL	232.15	352.72	196.05		

[a] These pollutants have been excluded from this analysis as they will be treated on an AQCR basis.

A.2.4 Industrial Process and Fuel Combustion Emissions

It was impossible to survey the management of industrial sources in Fulton County regarding their plans for expanding existing facilities or constructing plants at new sites. Therefore, the direct application of an Order 3 analysis could not be achieved and features of Orders 2 and 3 have been combined to yield the most extensive analysis possible. This approach illustrates options that are available to the innovative user who wants to obtain refined estimates of industrial emissions, but who is constrained because the detailed field survey information required for an Order 3 analysis is lacking.

Ideally, the purest application of an Order 3 analysis requires that the proposed size (i.e., anticipated employment levels) and location of new industrial sources be known. Since field surveys could not be administered, projections of new source employment levels were not available for Fulton County. Therefore, the growth of new point sources was estimated on the basis of growth in industrial land use, and emissions attributable to the construction of new plants were allocated according to these subarea-specific changes in industrial land use. Land use data were obtained from ARC for each of the ten areas called Superdistricts that comprise Fulton County (see Section A.2.3 of this Appendix for a list of these Superdistricts). These data provided an inventory of used acreage for 1970 as well as projections of used land for 1980 and 1990. After interpolating to obtain projections of the total land area projected to be in use for 1975 and 1985, the number of acres devoted to industrial activity in each Superdistrict was calculated. This industrial land area was obtained for each year under investigation (1970, 1975, 1980 and 1985) by multiplying the total acreage of used land in each Superdistrict by the percent of used acreage devoted to industrial activity in each Superdistrict. Formula (2) summarizes this calculation.

$$(2) \quad IA_i = TAU_i \times PAU_i \times PIA_i$$

where:

IA_i = Industrial acreage in Superdistrict i
TAU_i = Total acres used in Superdistrict i.
PAU_i = Percent of acreage used in Superdistrict i.
PIA_i = Percent of total acreage used, devoted to industrial activity in Superdistrict i.

The Superdistrict-specific change in industrial acreage was then computed for the five-year intervals 1970-75, 1975-80 and 1980-85 by subtracting the industrial acreage for each forecast year from the industrial acreage for the baseline year (1970). This calculation is summarized by formula (3).

$$(3) \quad \Delta IA_{ij} = IA_{ij} - IA_{i1970}$$

where

ΔIA_{ij} = Change in industrial acreage for Superdistrict i between forecast year j and 1970.

IA_{ij} = Industrial acreage for Superdistrict i in forecast year j.

$IA_{i\ 1970}$ = Industrial acreage for Superdistrict i in 1970.

To allocate the forecast-year-specific change in industrial land among the various Superdistricts, the results obtained from the application of formula (2) were divided by the difference in the countywide industrial acreage between 1970 and the forecast year in question. The calculation for this industrial land use growth factor is illustrated in formula (4).

$$(4) \quad \Delta AREA_{ij} = \frac{IA_{ij}}{TIA_j - TIA_{1970}}$$

where:

$\Delta AREA_{ij}$ = Change in industrial land area apportioned to Superdistrict i for forecast year j.

ΔIA_{ij} = Change in industrial acreage for Superdistrict i between forecast year j and 1970.

TIA_j = Total industrial acreage for Fulton County in forecast year j.

TIA_{1970} = Total industrial acreage for Fulton County in 1970.

This subarea-specific growth factor for industrial land use was then used to allocate emissions attributable to the siting of new point sources in each Superdistrict. The industrial acreage and land use growth factor for each of the ten Fulton County Superdistricts is shown in Table A.2-4.

Table A.2-4
Industrial Land Use Change
Fulton County, Georgia

Subareas		Industrial Land Use[a] (ACRES)				Industrial Land Use Change[b]		
		1970	1975	1980	1985	1970-75	1975-80	1980-85
10	Atlanta, CBD	133	132	132	131	-0.002	-0.001	-0.001
11	Atlanta, Northeast	795	735	675	707	-0.126	-0.127	-0.054
12	Atlanta, Northwest	1665	1759	1852	1956	0.198	0.197	0.179
13	Atlanta, Southeast	1137	1151	1165	1198	0.030	0.030	0.038
14	Atlanta, Southwest	930	1006	1082	1182	0.160	0.160	0.155
15	Tri-Cities	825	846	868	912	0.044	0.045	0.054
16	South Fulton	216	420	623	795	0.430	0.429	0.357
17	Atlanta, Buckhead	125	146	167	195	0.044	0.045	0.043
18	Sandy Springs	121	169	216	255	0.101	0.100	0.147
19	North Fulton	88	145	203	326	0.120	0.121	0.147
FULTON COUNTY TOTAL		6035	6509	6983	7657	474	948	1622

[a] Equivalent to IA specified in formula (1).

[b] Equivalent to ΔAREA specified in formula (3).

Using identification coordinates listed in the National Emissions Data Systems (NEDS), all point sources were located on a map of Fulton County indicated with Universal Transmercator (UTM) grid tics and boundaries of the 10 ARC Superdistricts. These sources were then grouped within each Superdistrict according to industrial process categories delineated in the OBERS projections of economic activity. Each source's pollutant-specific emissions for the base year (1970) were then recorded from the NEDS file for Fulton County onto the appropriate working tables. Next, the total emissions for each source were calculated for each forecast year (1975, 1980, and 1985). This was accomplished by multiplying the source's 1970 baseline emissions by the growth factor for its industrial process category determined from the OBERS projections for the Atlanta SMSA. Emissions attributable to the construction of sources at new locations were estimated on the basis of the five-year growth rate for the number of acres devoted to industrial land in each of the ten Superdistricts. These new source emissions were calculated for each process category by multiplying the total emissions in each Superdistrict by the industrial land use growth factor ($\Delta AREA_{ij}$) described above. This rather intricate procedure had the effect of apportioning the estimated growth in industrial emissions between existing (in situ) sources and the construction of plants at new sites. Therefore, this application illustrates the Order 3 allocation of industrial emissions but relies on an estimate of growth at new sites, which is characteristic of the Order 2 procedure.

Two problems worth mentioning were encountered in the application of this procedure. In the first place it was necessary to assume that the point source emissions for any given forecast year could not be less than the baseline year emissions for that source. In the special case(s) where projected emissions at existing sources were smaller than the 1970 emissions for a given source(s) (due to the subtraction of new source emissions that were larger than the total projected emission for that year), the 1970 baseline year emissions, instead of estimated new source emissions, were subtracted from the total forecasted emissions. Projected emissions for an existing point source were thereby constrained so that they were at least equal to that point source's emissions for the baseline year. In the second instance where an industrial land use change factor ($\Delta AREA_i$) was negative for a given Superdistrict, zeros were entered for new source growth and all of the total emissions were allocated to existing sources.

Tables 3.4-4 and 3.4-8 respectively summarize the 1985 industrial process and industrial fuel combustion emissions allocated to the various Superdistrict subareas.

Table 3.4-4
Industrial Point and New Source Process Emissions - Subarea Summary

A. County FULTON
B. Subarea SUMMARY
C. Year 1985
D. Allocation Order 2-5

SUBAREA	POINT SOURCE EMISSIONS							NEW SOURCE EMISSIONS						TOTAL EMISSIONS					
(1)	(2) No. of SOURCES	(3) EMP	(4) PART	(5) NO$_x$	(6) SO$_x$	(7) HC[a]	(8) CO[a]	(9) EMP	(10) PART	(11) NO$_x$	(12) SO$_x$	(13) HC[a]	(14) CO[a]	(15) EMP	(16) PART	(17) NO$_x$	(18) SO$_x$	(19) HC[a]	(20) CO[a]
10	4		2114	491	1625				0	0	0				2114	491	1625		
11	10		11195	109	2087				0	0	0				11195	109	2087		
12	8		9681	312	1247				2115	68	272				11796	380	1519		
13	5		35	75	27				1	2	1				36	77	28		
14	2		2	14	2				0	2	0				2	16	2		
15	7		1056	56	710				60	3	40				1116	59	750		
16	3		577	363	22				321	201	12				898	564	34		
17	1		2	0	0				0	0	0				2	0	0		
18	0		0	0	0				0	0	0				0	0	0		
19	0		0	0	0				0	0	0				0	0	0		
COUNTY TOTAL	48		24700	1422	5720				2489	274	325				27189	1696	6045		

[a] These pollutants have been excluded from this analysis as they will be treated on an AQCR basis.

Table 3.4-8
Industrial Point and New Source Fuel Combustion Emissions - Subarea Summary

A. County FULTON
B. Subarea SUMMARY
C. Year 1985
D. Allocation Order 2-3

SUBAREA	POINT SOURCE EMISSIONS							NEW SOURCE EMISSIONS						TOTAL EMISSIONS					
(1)	(2) No. of SOURCES	(3) EMP	(4) PART	(5) NO_x	(6) SO_x	(7) HC a	(8) CO a	(9) EMP	(10) PART	(11) NO_x	(12) SO_x	(13) HC a	(14) CO a	(15) EMP	(16) PART	(17) NO_x	(18) SO_x	(19) HC a	(20) CO a
10	1		3528	484	1534				0	0	0				3528	484	1534		
11	2		13	100	46				0	0	0				13	100	46		
12	1		2859	268	837				625	59	183				3484	327	1020		
13	1		11	345	2				0	14	0				11	359	2		
14	0		0	0	0				0	0	0				0	0	0		
15	0		0	0	0				0	0	0				0	0	0		
16	2		23	291	3				12	162	1				35	453	4		
17	0		0	0	0				0	0	0				0	0	0		
18	0		0	0	0				0	0	0				0	0	0		
19	0		0	0	0				0	0	0				0	0	0		
COUNTY TOTAL	7		6434	1488	2422				637	235	184				7071	1723	2606		-

[a] These pollutants have been excluded from this analysis as they will be treated on an AQCR basis.

A.2.5 Solid Waste Incineration Emissions

Emissions generated from the incineration of solid waste were allocated to subcounty areas using an Order 2 analysis. This Level of detail was selected because the survey of local solid waste officials needed for an Order 3 analysis could not be undertaken as part of the Fulton County test case. Furthermore, the intensive study prescribed in Projecting County Emissions: Volume 7 of the Guidelines was not carried out. Estimates of the countywide solid waste incineration were instead taken directly from the Atlanta Air Pollutant Emission Inventory (October, 1969) and entered in Table 3.5-2 as described in the procedural instructions. In view of the fact that residential solid waste incineration was not considered in this Inventory, it has also been deleted from this analysis. This exclusion should not, however, create undue concern as residential refuse incineration is generally considered to account for only a very small portion of the emissions from open burning. In short, it can be said that the allocation results obtained from this analysis are as representative of the actual situation in Fulton County as could be expected without projecting solid waste incineration Levels, using the procedures described in Volume 7 of the Guidelines.

All of the fundamental work involved in manipulating the demographic and land use variables used to project solid waste emissions has already been carried out for the analyses of other emission sources. Residential incineration has been deleted so that the population allocations (developed for the analysis of transportation emissions) were not needed. The commercial/institutional establishments and industrial point sources have already been treated according to ARC Superdistricts that are compatible. Therefore, the commercial/institutional and industrial land use allocation proportions derived from the assumptions, specified in Sections A.2.3 and A.2.4 of this appendix, have been directly applied to this analysis of solid waste incineration emissions. One minor adaptation was necessary, however. To make the commercial/institutional and industrial subarea designations completely compatible, Superdistricts 16, 18 and 19, which were treated separately for industrial sources, have been aggregated and treated as the Residual for this analysis.

The following 3.5-4 Table illustrates the allocated refuse incineration emissions for 1980.

Table 3.5-4
Solid Waste Incineration Emissions Allocated to Subcounty Areas

A. County Fulton
B. Year 1980
C. Allocation Order 2

(1) Sub-areas	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC[a]	(6) NO_x[a]
10 - CBD	529	78	208		
11 - Northeast	966	104	193		
12 - Northwest	1,985	175	199		
13 - Southeast	1,286	116	143		
14 - Southwest	1,179	105	125		
15 - Tri-Cities	991	92	124		
17 - Buckhead	308	38	82		
SUBAREA TOTAL	7,244	708	1,074		
Residual	1,130	100	119		
D. COUNTY TOTAL	8,374	808	1,193		

[a] These pollutants have been excluded from this analysis as they will be treated on an AQCR basis.

A.3 MASTER GRIDDING

To this point emissions from the five types of sources have been allocated to essentially two types of subarea sets. Residential fuel combustion and transportation emissions have been allocated to municipalities and a Residual. Industrial emissions have been allocated to ARC Superdistricts and a Residual was not necessary; and commercial/institutional fuel combustion and solid waste incineration emissions were allocated to ARC Superdistricts and a Residual. While there is no conceptual problem with treating these different subarea sets separately for dispersion modeling purposes, the overlap between the subareas presents a rather confusing picture as to where emission control strategies should be implemented. Therefore, we have followed our previous recommendation and developed a single master grid network so that the emissions from all of the previous analyses could be totaled for each cell in the square-gridded matrix.

Fulton County was subdivided into 123 cells using a two-stage gridding procedure applied to census tract maps of the Atlanta Standard Metropolitan Statistical Area (SMSA) on which the ARC Superdistrict boundaries were indicated. The resulting grid system is shown in Figures A.1 and A.2. Figure A.1 represents the master census tract map and Figure A.2 is a blow-up of the census tracts for "INSERT A" specified in Figure A.1. Since two maps were needed to show the resolution of census tracts in and around Atlanta, one grid network had to be drawn on the larger-scale map and another grid had to be drawn on the smaller-scale map. This accounts for the two-stage operation mentioned above.

The master grid system was developed in the following way. First, clear Mylar plastic was overlayed on both of the maps and identical Universal Transverse Mercator (UTM) coordinates were marked on each overlay. For example, UTM coordinate $37^{26} - 7^{25}$ can be seen on both maps and designates an interface between them. Next, the scales of gridding resolution were decided upon and the cell networks were drawn on both maps. Since outlying areas have comparatively low population densities and concentrations of emission generating activity, 8 km x 8 km grid squares were chosen. These larger grid cells are evident in Figure A.1 and they cover the three Superdistricts surrounding Atlanta (e.g., 16, South Fulton; 18, Sandy Springs; and 19, North Fulton). The 8 km x 8 km grid cells do not apply to "INSERT A," but was also gridded with the uniform cells to avoid confusion in drawing the complete matrix on the

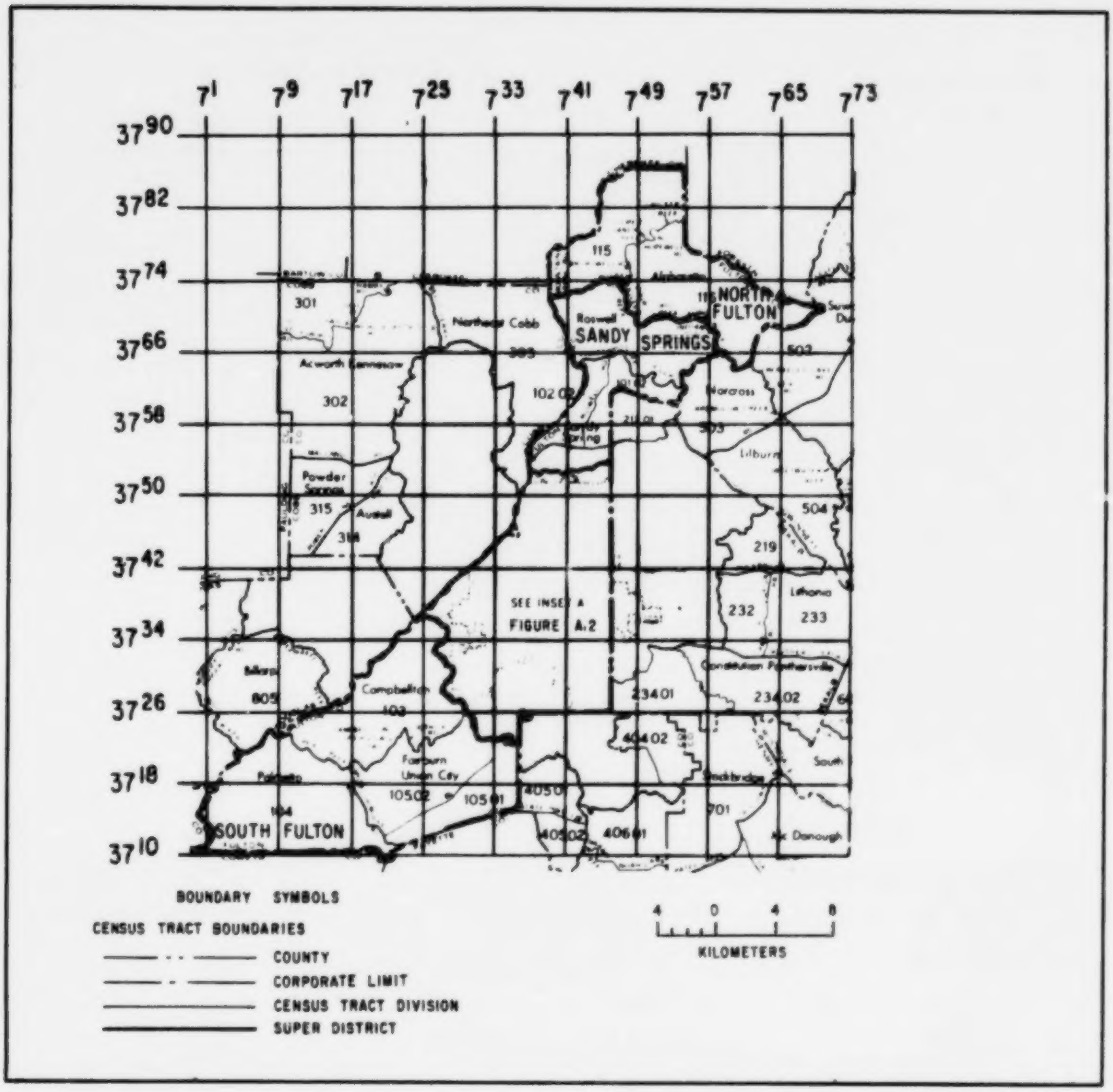
7¹ 7⁹ 7¹⁷ 7²⁵ 7³³ 7⁴¹ 7⁴⁹ 7⁵⁷ 7⁶⁵ 7⁷³
37⁹⁰ 37⁸² 37⁷⁴ 37⁶⁶ 37⁵⁸ 37⁵⁰ 37⁴² 37³⁴ 37²⁶ 37¹⁸ 37¹⁰
115
NORTH FULTON
Roswell
SANDY SPRINGS
Northeast Cobb
301
Acworth Kennesaw
302
303
102.02
Norcross
503
Lilburn
504
219
Powder Springs
315
Austell
SEE INSET A FIGURE A.2
232
233
Lithonia
Conyers Pinehurst
23401
23402
Campbellton
103
Palmetto
Fairburn Union City
10502
10501
40402
Stockbridge
701
South
104
SOUTH FULTON
405
40502
40601
Mc Donough
BOUNDARY SYMBOLS
CENSUS TRACT BOUNDARIES
COUNTY
CORPORATE LIMIT
CENSUS TRACT DIVISION
SUPER DISTRICT
4 0 4 8
KILOMETERS

Figure A.1 Master Grid Overlay

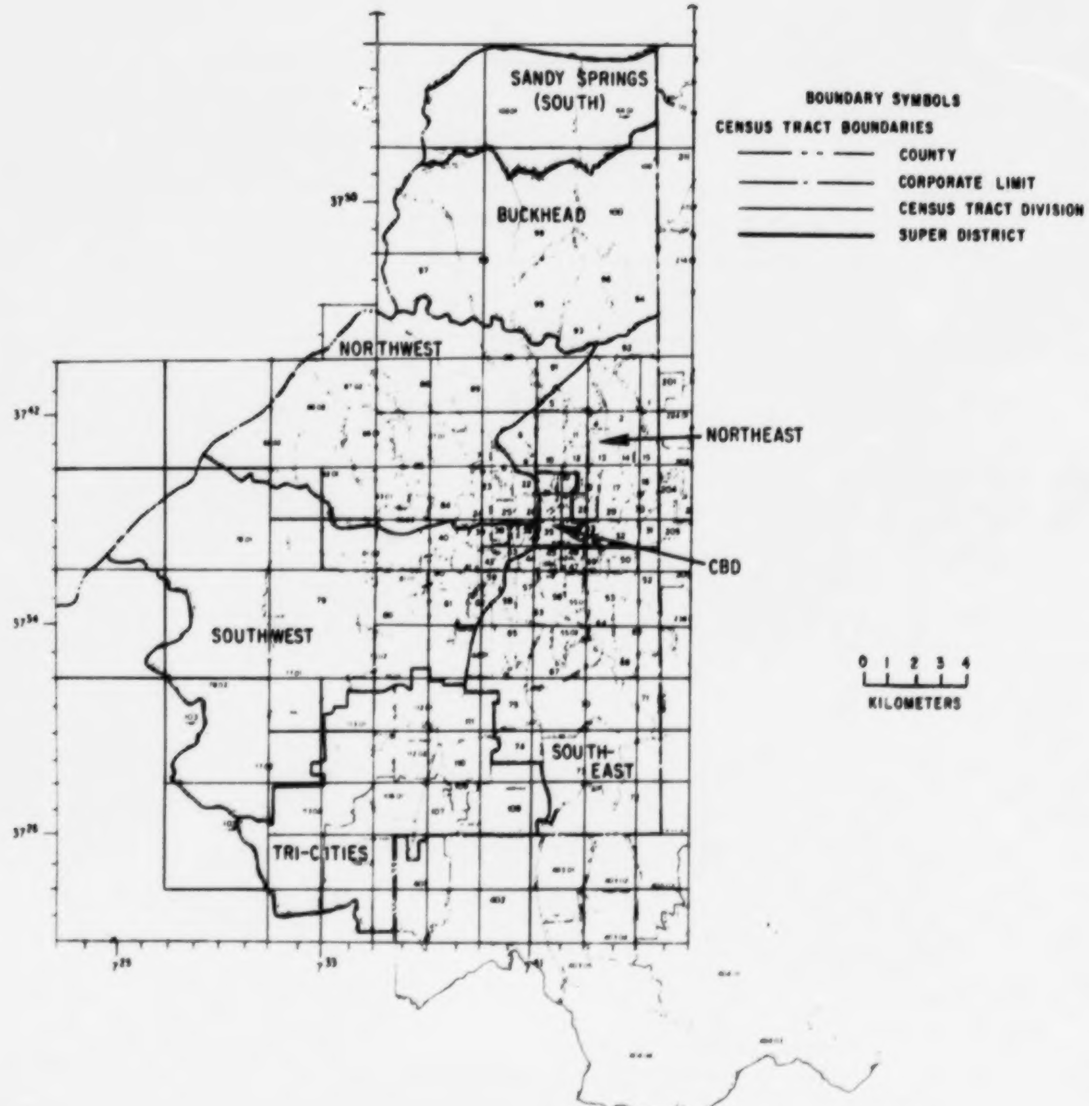
SANDY SPRINGS (SOUTH)
BUCKHEAD
NORTHWEST
NORTHEAST
CBD
SOUTHWEST
SOUTH-EAST
TRI-CITIES
BOUNDARY SYMBOLS
CENSUS TRACT BOUNDARIES
COUNTY
CORPORATE LIMIT
CENSUS TRACT DIVISION
SUPER DISTRICT
0 1 2 3 4
KILOMETERS
37^{50}
37^{42}
37^{34}
37^{26}
7^{25}
7^{33}
7^{41}

Figure A.2 Master Grid Overlay: Insert

master census tract. Figure A.2 shows that varying degrees of resolution in gridding were chosen for the seven Superdistricts in, and contiguous to, Atlanta. In the course of generating the cell matrix for Figure A.2 the map was originally divided into 8 km squares that were continually subdivided until the desired resolution was obtained. The Atlanta CBD was subdivided into the smallest cells (1 km square) and the areas of lesser concentrated activity around the CBD were divided into 2 km squares. The lower density, western and northwestern parts of Atlanta were divided into 4 km squares and the northeastern portion was divided into two 8 km squares.

After completing this gridding procedure on the census tract/Superdistrict maps the identical grid network was applied to a Fulton County map with municipalities indicated on it. In this way the subareas treated in the analyses of residential fuel combustion and transportation emissions were distributed to the appropriate cells of the grid network.

The final step of the master gridding procedure involved estimating portions of the various subcounty areas located in each of the master grid cells. To insure accuracy this apportioning was done with a planimeter and the fractional estimates for each subarea set were recorded in the 4.1 Tables. Examples of these 4.1 Tables for the residential fuel combustion-transportation and commercial/institutional-industrial-solid waste subarea sets are provided below.

Although the 123 cell network involved a considerable amount of effort in gridding and apportioning the various subareas, we feel that it provides optimal resolution for modeling air quality from the allocated emissions for Fulton County. This grid system is neither more refined than the original data sets would permit nor so gross that it destroys resolution achieved by the separate analyses.

Table 4.1

Master Grid Mapping

A. County Fulton
B. Subcounty Area Set Residential, Transportation

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{36} - 7^{33}$	Atlanta	.013
$37^{36} - 7^{35}$		.013
$37^{36} - 7^{37}$		.013
$37^{37} - 7^{39}$		.003
$37^{37} - 7^{40}$		.003
$37^{36} - 7^{39}$		.003
$37^{36} - 7^{40}$		.003
$37^{36} - 7^{41}$		.003
$37^{36} - 7^{42}$		.003
$37^{34} - 7^{39}$		.013
$37^{34} - 7^{41}$		.013
$37^{34} - 7^{43}$		.013
$37^{34} - 7^{45}$		.005
$37^{34} - 7^{37}$		.013
$37^{32} - 7^{39}$		.009

Table 4.1

Master Grid Mapping

A. County Fulton
B. Subcounty Area Set Commercial/Institutional-Industrial-Solid Waste

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{38} - 7^{41}$	12-NW	.004
$37^{39} - 7^{41}$	12-NW	.001
$37^{36} - 7^{39}$	13-SE	.002
$37^{36} - 7^{40}$		.010
$37^{36} - 7^{41}$		.015
$37^{36} - 7^{42}$		.015
$37^{36} - 7^{43}$		.030
$37^{36} - 7^{45}$		.012
$37^{34} - 7^{39}$		.035
$37^{34} - 7^{41}$		.061
$37^{34} - 7^{43}$		.061
$37^{34} - 7^{45}$		.024
$37^{34} - 7^{37}$		.002
$37^{32} - 7^{37}$		.012
$37^{32} - 7^{39}$		.061

A.4 Master Grid Emissions

This last section of Appendix A briefly illustrates some of the final results from the Fulton County test case. Also described is an additional technique not treated in the text of Volume 13. This technique involves generating a table that shows how total emissions for each pollutant are distributed among the five sources in each grid square.

The 4.2 Tables included below show the final allocated emissions for grid squares 46 through 75 for each of the four years under study (1970, 1975, 1980 and 1985). These summary pages of the test case were selected for presentation because, as will be seen later, total 1970 emissions were disaggregated by source for grid squares 58, 59, 67 and 68. Therefore, the 4.2 Tables provide a reference for these grids and also show emission projection results for a range of grids in Fulton County. By following through the 4.2 Tables for a given grid square, one can see that the pollutant-specific emissions are, for the most part, growing between the five-year intervals. The major deficiency in simply inspecting the 4.2 Tables, however, is that the user cannot determine what sources account for major portions of the total emissions for each pollutant. In other words, the 4.2 Tables do not directly address the basic issue behind Air Quality Maintenance Planning; what emission control strategies should be implemented in a particular area (e.g., grid square)?

To overcome this deficiency, a closer examination of grid squares with high emission concentrations that signify specific air quality problems is strongly recommended. Total emissions tabulated in the 4.2 Tables should be disaggregated by source. A disaggregation of 1970 emissions is shown in Table A.4 for grids 58, 59, 67 and 68. These grids were selected for this demonstration because they are all 4-square-km cells and near the Atlanta CBD. While these four grids do not have the highest emission rates in Fulton County, they were selected as representative of the 2 km x 2 km squares that were developed for most of the county.

From Table A.4 it is readily evident that transportation accounts for the heavy concentrations of CO emissions in the four areas near the Atlanta CBD. In each case, automotive vehicles account for over 99% of an average CO level of 1713 tons/yr. Hence, a transportation plan designed to reduce VMT would be an appropriate strategy for lowering CO emissions in these areas.

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1970

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC [a]	(6) NO_x [a]
46. 37^{30} - 7^{43}	90.1	15.7	1718.3		
47. 37^{30} - 7^{45}	37.9	11.5	661.4		
48. 37^{32} - 7^{23}	6.2	2.9	296.8		
49. 37^{32} - 7^{27}	146.2	24.0	2476.3		
50. 37^{32} - 7^{31}	184.3	36.6	5865.2		
51. 37^{32} - 7^{35}	46.0	7.9	5.0		
52. 37^{32} - 7^{37}	46.5	5.4	5.8		
53. 37^{32} - 7^{39}	87.1	14.0	1192.9		
54. 37^{32} - 7^{41}	90.1	15.7	1718.3		
55. 37^{32} - 7^{43}	90.1	15.7	1718.3		
56. 37^{32} - 7^{45}	37.9	6.4	661.4		
57. 37^{34} - 7^{35}	47.8	9.8	1711.9		
58. 37^{34} - 7^{37}	49.3	10.0	1712.2		
59. 37^{34} - 7^{39}	67.4	12.6	1715.1		
60. 37^{34} - 7^{41}	90.1	15.7	1718.3		

[a] These pollutants have been excluded from this analysis as they will be treated on an AQCR basis.

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1970

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC [a]	(6) NO_x [a]
61. 37^{34} - 7^{43}	90.1	15.7	1718.3		
62. 37^{34} - 7^{45}	35.3	6.1	661.0		
63. 37^{36} - 7^{23}	23.5	3.0	48.4		
64. 37^{36} - 7^{27}	270.3	43.5	2325.3		
65. 37^{36} - 7^{31}	47.8	9.8	1711.9		
66. 37^{36} - 7^{33}	121.1	21.1	1712.9		
67. 37^{36} - 7^{35}	159.9	28.3	1713.6		
68. 37^{36} - 7^{37}	132.2	23.9	1713.2		
69. 37^{36} - 7^{39}	14.3	2.7	395.5		
70. 37^{36} - 7^{40}	18.5	3.4	396.2		
71. 37^{36} - 7^{41}	22.0	3.8	396.7		
72. 37^{36} - 7^{42}	22.0	3.8	396.7		
73. 37^{36} - 7^{43}	651.2	162.8	2203.5		
74. 37^{36} - 7^{45}	184.1	31.4	847.1		
75. 37^{37} - 7^{39}	50.5	8.7	395.9		

[a] These pollutants have been excluded from this analysis as they will be treated on an AQCR basis.

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1975

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC[a]	(6) NO_x[a]
46. 37^{30}- 7^{43}	89.5	15.9	1016.9		
47. 37^{30}- 7^{45}	37.8	6.6	391.6		
48. 37^{32}- 7^{23}	7.8	4.3	307.1		
49. 37^{32}- 7^{27}	154.3	26.3	1567.3		
50. 37^{32}- 7^{31}	191.7	38.0	3492.2		
51. 37^{32}- 7^{35}	49.7	9.2	5.5		
52. 37^{32}- 7^{37}	48.3	5.9	6.3		
53. 37^{32}- 7^{39}	86.7	14.3	707.6		
54. 37^{32}- 7^{41}	89.5	15.9	1016.9		
55. 37^{32}- 7^{43}	89.5	15.9	1016.9		
56. 37^{32}- 7^{45}	37.8	6.6	391.6		
57. 37^{34}- 7^{35}	49.4	10.1	1010.1		
58. 37^{34}- 7^{37}	51.0	10.3	1010.4		
59. 37^{34}- 7^{39}	67.5	12.9	1013.5		
60. 37^{34}- 7^{41}	89.5	15.9	1016.9		

[a] These pollutants have been excluded from this analysis as they will be treated on an AQCR basis.

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1975

	Emissions (tons/yr)				
(1) Master Grid Designation	(2) Part.	(3) SO_x	(4) CO	(5) HC[a]	(6) NO_x[a]
61. 37 ^{34}- 7 ^{43}	89.5	15.9	1016.9		
62. 37 ^{34}- 7 ^{45}	35.1	6.2	391.2		
63. 37 ^{36}- 7 ^{23}	25.1	3.4	50.2		
64. 37 ^{36}- 7 ^{27}	303.4	49.1	1469.8		
65. 37 ^{36}- 7 ^{31}	49.4	10.1	1010.1		
66. 37 ^{36}- 7 ^{33}	138.9	24.7	1011.2		
67. 37 ^{36}- 7 ^{35}	186.0	32.0	1012.0		
68. 37 ^{36}- 7 ^{37}	152.0	26.7	1011.5		
69. 37 ^{36}- 7 ^{39}	14.9	2.8	233.6		
70. 37 ^{36}- 7 ^{40}	18.7	3.4	234.3		
71. 37 ^{36}- 7 ^{41}	21.8	3.9	234.9		
72. 37 36- 7 42	21.8	3.9	234.9		
73. 37 36- 7 43	720.0	195.0	1560.5		
74. 37 ^{36}- 7 ^{45}	208.8	38.1	599.9		
75. 37 ^{37}- 7 ^{39}	59.1	9.9	234.0		

[a] These pollutants have been excluded from this analysis as they will be treated on an AQCR basis.

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1980

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC [a]	(6) NO_x [a]
46. 37^{30}- 7^{43}	91.2	16.5	430.0		
47. 37^{30}- 7^{45}	38.5	6.8	163.9		
48. 37^{32}- 7^{23}	8.7	5.2	160.3		
49. 37^{32}- 7^{27}	165.1	28.1	687.2		
50. 37^{32}- 7^{31}	203.1	39.4	1471.1		
51. 37^{32}- 7^{35}	54.1	10.6	5.9		
52. 37^{32}- 7^{37}	51.0	6.3	6.8		
53. 37^{32}- 7^{39}	88.5	14.9	301.5		
54. 37^{32}- 7^{41}	91.2	16.5	430.0		
55. 37^{32}- 7^{43}	91.2	16.5	430.0		
56. 37^{32}- 7^{45}	38.5	6.8	165.9		
57. 37^{34}- 7^{35}	52.2	10.5	422.9		
58. 37^{34}- 7^{37}	53.7	10.7	423.1		
59. 37^{34}- 7^{39}	69.3	13.2	426.4		
60. 37^{34}- 7^{41}	91.2	16.5	430.0		

[a] These pollutants have been excluded from this analysis as they will be treated on an AQCR basis.

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1980

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC[a]	(6) NO_x[a]
61. 37^{34} - 7^{43}	91.2	16.5	430.0		
62. 37^{34} - 7^{45}	35.8	6.4	165.6		
63. 37^{36} - 7^{23}	27.0	3.7	27.9		
64. 37^{36} - 7^{27}	345.7	55.5	646.6		
65. 37^{36} - 7^{31}	52.2	10.5	422.9		
66. 37^{36} - 7^{33}	162.2	28.0	424.0		
67. 37^{36} - 7^{35}	219.6	37.1	425.0		
68. 37^{36} - 7^{37}	178.1	30.5	424.4		
69. 37^{36} - 7^{39}	15.6	2.9	98.1		
70. 37^{36} - 7^{40}	19.2	3.6	98.1		
71. 37^{36} - 7^{41}	22.4	4.0	99.5		
72. 37^{36} - 7^{42}	22.4	4.0	99.5		
73. 37^{36} - 7^{43}	856.3	238.0	1078.7		
74. 37^{36} - 7^{45}	243.3	44.2	254.5		
75. 37^{37} - 7^{39}	70.3	11.6	98.6		

[a] These pollutants have been excluded from this analysis as they will be treated on an AQCR basis.

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1985

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC [a]	(6) NO_x [a]
46. $37^{30} - 7^{43}$	94.1	17.1	286.0		
47. $37^{30} - 7^{45}$	39.7	7.1	110.6		
48. $37^{32} - 7^{23}$	11.5	7.5	180.7		
49. $37^{32} - 7^{27}$	181.5	32.1	515.2		
50. $37^{32} - 7^{31}$	220.2	42.6	986.5		
51. $37^{32} - 7^{35}$	59.9	12.1	7.1		
52. $37^{32} - 7^{37}$	55.2	6.9	7.5		
53. $37^{32} - 7^{39}$	91.4	15.4	202.2		
54. $37^{32} - 7^{41}$	94.1	17.1	286.0		
55. $37^{32} - 7^{43}$	94.1	17.1	286.0		
56. $37^{32} - 7^{45}$	39.7	7.1	110.6		
57. $37^{34} - 7^{35}$	46.4	11.1	278.1		
58. $37^{34} - 7^{37}$	57.9	11.4	278.4		
59. $37^{34} - 7^{39}$	63.4	14.0	281.9		
60. $37^{34} - 7^{41}$	94.1	17.1	286.0		

[a] These pollutants have been excluded from this analysis as they will be treated on an AQCR basis.

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1985

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC[a]	(6) NO_x[a]
61. 37^{34} - 7^{43}	94.1	17.1	286.0		
62. 37^{34} - 7^{45}	36.9	6.7	110.1		
63. 37^{36} - 7^{23}	29.9	4.5	31.4		
64. 37^{36} - 7^{27}	396.2	65.3	484.7		
65. 37^{36} - 7^{31}	56.4	11.1	278.1		
66. 37^{36} - 7^{33}	187.9	32.4	279.5		
67. 37^{36} - 7^{35}	256.4	43.5	280.4		
68. 37^{36} - 7^{37}	206.7	35.5	279.8		
69. 37^{36} - 7^{39}	16.7	3.1	64.7		
70. 37^{36} - 7^{40}	20.0	3.7	65.5		
71. 37^{36} - 7^{41}	23.0	4.2	66.2		
72. 37^{36} - 7^{42}	23.0	4.2	66.2		
73. 37^{36} - 7^{43}	1013.3	287.5	1047.9		
74. 37^{36} - 7^{45}	306.6	57.6	406.4		
75. 37^{37} - 7^{39}	82.3	13.7	65.2		

[a] These pollutants have been excluded from this analysis as they will be treated on an AQCR basis.

Table A.4
1970 Pollutant Specific Emissions for Individual Grids
Disaggregated by Source:
Fulton County, Georgia

Master Grid		Part.		SO_2		CO		HC[a]		NO_X[a]	
Designation	Source	Tons/yr	%	Tons/yr	%	Tons/yr	%	Tons/yr	%	Tons/yr	%
58 37^{34}-7^{37}		49.3	100.0	10.0	100.0	1712.2	100.0				
	Residential	2.0	4.1	2.5	25.0	1.6	0.1				
	Transportation	7.7	15.6	3.0	30.0	1705.6	99.6				
	Commer./Inst.	0.7	1.4	1.0	10.0	0.6	0.1				
	Industrial	0.1	0.2	0.1	1.0	0.2	0.0				
	Solid Waste	38.8	78.7	3.4	34.0	4.0	0.2				
59 37^{34}-7^{39}		67.4	100.0	12.6	100.0	1715.1	100.0				
	Residential	2.0	3.0	2.5	19.8	1.6	0.1				
	Transportation	7.7	11.4	3.0	23.8	1705.8	99.5				
	Commer./Inst.	1.0	1.5	1.2	9.5	0.8	0.0				
	Industrial	0.8	1.2	0.7	5.6	1.0	0.1				
	Solid Waste	55.9	82.9	5.2	41.3	5.9	0.3				
67 37^{36}-7^{35}		159.9	100.0	28.3	100.0	1713.6	100.0				
	Residential	2.0	1.3	2.5	8.8	1.6	0.1				
	Transportation	7.7	4.8	3.0	10.6	1705.6	99.5				
	Commer./Inst.	1.0	0.6	1.3	4.6	0.8	0.1				
	Industrial	97.5	61.0	17.1	60.4	0.3	0.0				
	Solid Waste	51.7	32.3	4.4	15.6	5.1	0.3				
68 37^{36}-7^{37}		132.2	100.0	23.9	100.0	1713.2	100.0				
	Residential	2.0	1.5	2.5	10.5	1.6	0.1				
	Transportation	7.7	5.8	3.0	12.5	1705.6	99.6				
	Commer./Inst.	0.8	0.6	1.3	5.4	0.7	0.0				
	Industrial	73.3	55.5	12.9	54.0	0.3	0.0				
	Solid Waste	48.4	36.6	4.2	17.6	4.8	0.3				

[a] These pollutants have been excluded from this analysis as they will be treated on an AQCR basis.

Particulates are the second major emission problem in grids 58, 59, 67 and 68. Unlike CO emissions, however, the particulate emissions are attributable to more than one source. In grids 67 and 68 the particulate problem has been traced to industrial, solid waste incineration, and transportation, in that order. On the average these sources respectively account for 58%, 34% and 8% of the particulate emissions. Therefore, an adequate Air Quality Maintenance Plan would have to be aimed at all three of these sources in grids 67 and 68. Similarly, in grids 58 and 59 the particulate problem can be traced to solid waste incineration and transportation sources that respectively account for 81% and 8% of the particulate emissions. An effective particulate maintenance plan would therefore have to address both of these sources in grids 58 and 59.

The technique illustrated in Table A.4 has not been included in the procedures detailed in Volume 13 of the Guidelines because it involves a substantial effort that may not be warranted or necessary for all grid cells of an AQCR county under study. However, where large concentrations of total emissions are evident for a specific pollutant, it is strongly recommended that the user trace the cause of these emissions back to their most significant sources. Only by going through the process of obtaining results such as those illustrated in Table A.4 can Air Quality Maintenance Plans be keyed directly to specific sources of emissions.

APPENDIX B

Trial Application of the Subcounty Emission Allocation Procedures to Fulton County, Georgia; Complete Documentation

B.1 Introduction

This appendix provides complete documentation of the subcounty emission allocation test case summarized in Appendix A. Since Appendix A gave only a summary of the results for Fulton County, Georgia, Appendix B provides a detailed step by step analysis for each forecast year for each of the five emission source categories. All of the tables used to generate the forecasted emissions are included in this appendix.

The emission estimates shown in this appendix were computed to demonstrate the subcounty emission allocation procedures prescribed in Volume 13 of the Guidelines. The results document forecasted emissions derived from data provided by the Atlanta Regional Commission (ARC) and the U.S. Census Bureau. As such, the resulting emissions projections only approximate future conditions that can be anticipated in Fulton County, Georgia. Local planning agencies, the air pollution control board and the regional office of the USEPA would undoubtedly have better information and a knowledge of previous growth patterns that would facilitate a more accurate prediction of future emissions than it has been possible to calculate here. Therefore, the emission forecasts presented do not necessarily represent the actual situation in the Atlanta area and should not be construed as the final Air Quality Maintenance Analysis for Fulton County, Georgia.

B.2 Emission Sources

B.2.1 Residential Fuel Combustion Emissions

Residential Fuel Combustion
Allocation Procedure

ORDER 1

Allocate fuel use by population distribution

ORDER 2

Allocate fuel use by dwelling unit distribution

ORDER 3

Compute fuel use in each subarea

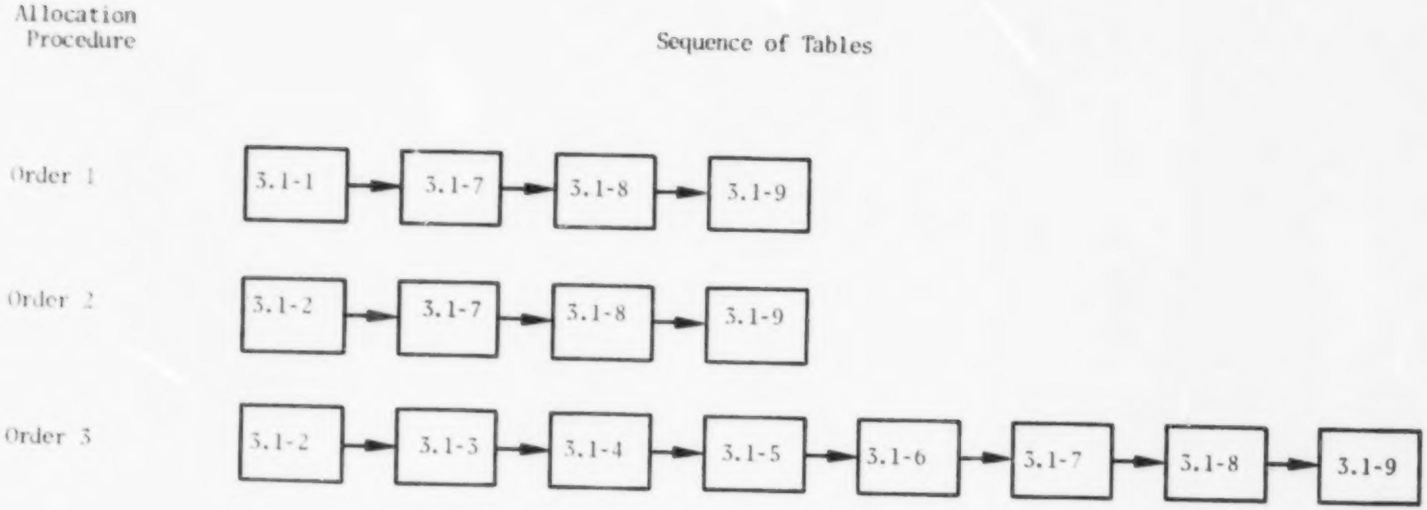
Allocation Procedure
Sequence of Tables
Order 1
3.1-1
3.1-7
3.1-8
3.1-9
Order 2
3.1-2
3.1-7
3.1-8
3.1-9
Order 3
3.1-2
3.1-3
3.1-4
3.1-5
3.1-6
3.1-7
3.1-8
3.1-9

Fig. 3.1-1 Residential Fuel Combustion Allocation Table Sequence

ASSUMPTIONS AND LIMITATIONS OF THE EXAMPLE FOR RESIDENTIAL FUEL COMBUSTION EMISSIONS

A. Growth in dwelling units was assumed to equal growth in the number of households which were the only applicable data available in the data set supplied by the Atlanta Regional Commission (ARC).

B. The residential building size distribution for 1970 was held constant through all forecast years.

C. The residential fuel use distribution for 1970 was held constant through all forecast years.

D. The residential fuel combustion emission factors were held constant from 1970 through 1985.

E. Residential emissions were calculated for each forecast year as the product of the dwelling unit growth rate and emissions estimated sequentially from the base year.

Table 3.1-1

Population-Based Allocation Proportions for Subcounty Areas

A. County Fulton
B. Year 1970
C. Allocation Order 1

(1) Subareas	(2) Population	(3) Allocation Proportion
Atlanta	455,140	.749
Fairburn	3,143	.005
Hapeville	9,567	.016
Rosswell	5,430	.009
Union City	3,031	.005
East Point	39,315	.065
College Park	12,305	.020
SUBAREA TOTAL	527,931	.869
Residual[1]	79,661	.131
D. COUNTY TOTAL	607,592	1.0

---

[1] Residual is equal to the COUNTY TOTAL (row D, column [2]) minus the sum of the population accounted for by all specified subcounty areas.

$$RP = TPOP - \sum_{i=1}^{N} POP_i$$

where:
RP = Residual population not accounted for by specified subareas
TPOP = COUNTY TOTAL (row D, column [2])
POP_i = Population in each specified subcounty area i.

Table 3.1-7

Residential Fuel Use Allocated to Subcounty Areas

A. County Fulton
B. Year 1970
C. Allocation Order I

	Annual Fuel Use					
	Coal (tons/yr)			Oil (10^3 gal/yr)		Natural Gas (10^6 ft^3/yr)
(1) Subarea	(2) Anthracite	(3) Bituminous	(4) Lignite	(5) Distillate	(6) Residual	(7)
Atlanta		9213		2800		10,486
Fairburn		62		19		70
Hapeville		197		60		224
Rosswell		111		34		126
Union City		62		19		70
East Point		800		243		910
College Park		246		75		280
SUBAREA TOTAL		10689		3248		12,166
Residual		1611		490		1,834
D. ACTUAL COUNTY TOTAL		12300		3738		14,000
E. COMPUTED COUNTY TOTAL[1]		-		-		-

---

[1] This row will be used only in cases where an Order 3 allocation procedure is being followed.

Table 3.1-8
Residential Fuel Combustion Emission Factors

A. County Fulton
B. Year 1970
C. Allocation orders 1

		Emission Factors				
(1)		(2) Part.	(3) SO_x	(4) CO	(5) HC*	(6) NO_x*
Coal	Anthracite					
	Bituminous	14.6 lb/ton	64.6 lb/ton	10 lb/ton		
	Lignite					
Oil	Distillate	10 lb/10^3 gal	30.24 lb/10^3 gal	5 lb/10^3 gal		
	Residual					
Natural Gas		19 lb/10^6 ft^3	.6 lb/10^6 ft^3	20 lb/10^6 ft^3		

*These pollutants have been excluded from this analysis because they are to be treated on an AQCR basis.

Table 3.1-9

Residential Fuel Combustion Emissions Allocated to Subcounty Areas

A. County Fulton
B. Year 1970
C. Allocation Order 1

(1) Subarea	Emissions (tons/yr) (2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
Atlanta	180.87	343.06	157.92		
Fairburn	1.21	2.31	1.06		
Hapeville	3.87	7.34	3.38		
Rosswell	2.17	4.14	1.90		
Union City	1.21	2.31	1.06		
East Point	15.70	29.78	13.71		
College Park	4.83	9.16	4.22		
SUBAREA TOTAL	209.85	398.01	183.22		
Residual	31.63	59.99	27.62		
D. COUNTY TOTAL	241.48	458.01	210.84		

Table 3.1-2

Dwelling-Unit-Based Allocation Proportions for Subcounty Areas

A. County **Fulton**
B. Year 1970
C. Allocation Order 2

(1) Subarea	(2) Number of Dwelling Units	(3) Allocation Proportion
Atlanta	156,471	.753
Fairburn	949	.005
Hapeville	3,700	.018
Rosswell	1,696	.008
Union City	851	.004
East Point	13,123	.063
College Park	4,264	.020
SUBAREA TOTAL	181,054	.871
Residual [1]	26,725	.129
D. COUNTY TOTAL	207,779	1.0

---

[1] Residual is equal to the COUNTY TOTAL (row D, column [2]) minus the sum of the dwelling units accounted for by all specified subcounty areas.

$$RDU = TDU - \sum_{i=1}^{N} DU_i$$

where:

RDU = Residual dwelling units not accounted for by specified subareas
TDU = COUNTY TOTAL (row D, column 2)
DU_i = Dwelling units in each specified subcounty area i

Table 3.1-7

Residential Fuel Use Allocated to Subcounty Areas

A. County Fulton
B. Year 1970
C. Allocation Order 2

	Annual Fuel Use					
	Coal (tons/yr)			Oil (10^3 gal/yr)		Natural Gas (10^6 ft^3/yr)
(1) Subarea	(2) Anthracite	(3) Bituminous	(4) Lignite	(5) Distillate	(6) Residual	(7)
Atlanta		9262		2815		10,542
Fairburn		62		19		70
Hapeville		221		67		252
Rosswell		98		30		112
Union City		49		15		56
East Point		775		235		882
College Park		246		75		280
SUBAREA TOTAL		10713		3256		12,194
Residual		1587		482		1,806
D. ACTUAL COUNTY TOTAL		12300		3738		14,000
E. COMPUTED COUNTY TOTAL[1]		-		-		-

---

[1] This row will be used only in cases where an Order 3 allocation procedure is being followed.

Table 3.1-8
Residential Fuel Combustion Emission Factors

A. County Fulton
B. Year 1970
C. Allocation order 2

		Emission Factors				
(1)		(2) Part.	(3) SO_x	(4) CO	(5) HC *	(6) NO_x *
Coal	Anthracite					
	Bituminous	14.6 lb/ton	64.6 lb/ton	10 lb/ton		
	Lignite					
Oil	Distillate	10 lb/ 10^3 gal	30.24 lb/ 10^3 gal	5 lb/ 10^3 gal		
	Residual					
Natural Gas		19 lb/ 10^6 ft^3	.6 lb/ 10^6 ft^3	20 lb/ 10^6 ft^3		

*These pollutants have been excluded from this analysis because they are to to be treated on an AQCR basis.

Table 3.1-9

Residential Fuel Combustion Emissions Allocated to Subcounty Areas

A. County Fulton
B. Year 1970
C. Allocation Order 2

(1) Subarea	Emissions (tons/yr) (2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
Atlanta	181.84	344.89	158.77		
Fairburn	1.21	2.31	1.06		
Hapeville	4.34	8.23	3.79		
Rosswell	1.93	3.65	1.68		
Union City	.96	1.83	.84		
East Point	15.21	28.85	13.28		
College Park	4.83	9.16	4.22		
SUBAREA TOTAL	210.33	398.92	183.64		
Residual	31.15	59.09	27.20		
D. COUNTY TOTAL	241.48	458.01	210.84		

Table 3.1-2

Dwelling-Unit-Based Allocation Proportions for Subcounty Areas

A. County Fulton
B. Year 1970
C. Allocation Order 3

(1) Subarea	(2) Number of Dwelling Units	(3) Allocation Proportion
Atlanta	156,471	.753
Fairburn	949	.005
Hapeville	3,700	.018
Rosswell	1,696	.008
Union City	851	.004
East Point	13,123	.063
College Park	4,264	.020
SUBAREA TOTAL	181,054	.871
Residual [1]	26,725	.129
D. COUNTY TOTAL	207,779	1.0

---

[1] Residual is equal to the COUNTY TOTAL (row D, column [2]) minus the sum of the dwelling units accounted for by all specified subcounty areas.

$$RDU = TDU - \sum_{i=1}^{N} DU_i$$

where:

RDU = Residual dwelling units not accounted for by specified subareas
TDU = COUNTY TOTAL (row D, column 2)
DU_i = Dwelling units in each specified subcounty area i

Table 3.1-3

Residential Building Size Distribution

A. County Fulton
B. Year 1970
C. Allocation Order 3

(1)	Dwelling Units by Building Size[1]													Total Dwelling Units
	(2)		(3)		(4)		(5)		(6)		(7)		(8)
	1		2-4		5+								
Subarea	Number	Proportion	Number	Proportion	Number	Proportion	Number	Proportion	Number	Proportion	Number	Proportion	
Atlanta	77,140	.493	26,131	.167	53,200	.340							156,471
Fairburn	840	.885	85	.090	24	.025							949
Hapeville	2,213	.598	696	.188	791	.214							3,700
Rosswell	1,241	.732	214	.126	241	.142							1,696
Union City	699	.821	116	.136	36	.043							851
East Point	8,832	.673	2,493	.190	1,798	.137							13,123
College Park	2,345	.550	849	.199	1,070	.251							4,264
SUBAREA TOTAL	93,310		30,584	.169	57,160	.316							181,054
Residual	19,322		160	.006	7,243	.271							26,725
D. COUNTY TOTAL	112,632	1.0	30,744	1.0	64,403	1.0		1.0		1.0		1.0	207,779

---

[1] Building size categories are arbitrary. User must specify intervals for number of dwelling units per building based on considerations of data availability, level of detail desired and time required for computation.

Table 3.1-8

Residential Fuel Use Distribution

A. County Fulton
B. Year 1970
C. Allocation Order 3

Dwelling Units by Fuel Use

(1) Subarea	Coal						Oil				Natural Gas		Electricity		Other		Total Dwelling Units (10)
	(2) Anthracite		(3) Bituminous		(4) Lignite		(5) Distillate		(6) Residual		(7)		(8)		(9)		
	Number	Proportion	Number	Proportion	Number	Proportion	Number	Proportion	Number	Proportion	Number	Proportion	Number	Proportion	Number	Proportion	
Atlanta			939	.006			1,565	.010			139,102	.889	14,865	.095			156,471
Fairburn			23	.024			56	.059			774	.816	96	.101			949
Hapeville			89	.024			218	.059			3,019	.816	374	.101			3,700
Rossvell			41	.024			100	.059			1,384	.816	171	.101			1,696
Union City			21	.024			50	.059			694	.816	86	.101			851
East Point			315	.024			774	.059			1,078	.816	1,326	.101			13,123
College Park			-0-	-			-0-	-			3,710	.870	554	.130			4,264
SUBAREA TOTAL			1,428	.008			2,763	.015			159,391	.880	17,472	.097			181,054
Residual			641	.024			1,577	.059			21,808	.816	2,699	.101			26,725
D. COUNTY TOTAL			2,069	.010			4,340	.021			181,199	.872	20,171	.097			207,779

Table 3.1-5

Residential Fuel Use Factors by Building Size

A. County Fulton
B. Year 1970
C. Allocation Order 3

(1) Number of Dwelling Units per Building [1]	Fuel Use Factors					
	Coal (lbs/degree-day)			Oil (gals/degree-day)		Natural Gas (ft^3/degree-day)
	(2) Anthracite	(3) Bituminous	(4) Lignite	(5) Distillate	(6) Residual	(7)
1		2.38		.157		26.6
2-4		2.14		.142		23.9
5+		1.62		.107		17.0

---

[1] User must specify building size categories in accordance with those specified in Table 3.1-3.

Table 3.1-6

Annual Residential Fuel Use by Building Size

A. County Fulton
B. Year 1970
C. Allocation Order 3

(1) Number of Dwelling Units Per Building [1]	Annual Fuel Use					
	Coal (tons/yr)			Oil (10^3 gal/yr)		Natural Gas (10^6 ft^3/yr)
	(2) Anthracite	(3) Bituminous	(4) Lignite	(5) Distillate	(6) Residual	(7)
1		3.55		.468		.079
2-4		3.19		.424		.071
5+		2.42		.319		.051

---

[1] User must specify building size categories in accordance with those specified in Table 3.1-3.

NOTE: Annual degree days for Atlanta = 2983.

Table 3.1-7

Residential Fuel Use Allocated to Subcounty Areas

A. County Fulton
B. Year 1970
C. Allocation Order 3

	Annual Fuel Use					
	Coal (tons/yr)			Oil (10^3 gal/yr)		Natural Gas (10^6 ft^3/yr)
(1) Subarea	(2) Anthracite	(3) Bituminous	(4) Lignite	(5) Distillate	(6) Residual	(7)
Atlanta		2915		642		9,479
Fairburn		79		45		60
Hapeville		288		93		216
Rosswell		136		44		102
Union City		70		23		53
East Point		1048		340		789
College Park		-0-		-0-		261
SUBAREA TOTAL		4536		1187		10,960
Residual		2079		673		1,556
D. ACTUAL COUNTY TOTAL		12300		3738		14,000
E. COMPUTED COUNTY TOTAL[1]		6615		1860		12,516
Correction factor*		1.86		2.01		1.12

[1] This row will be used only in cases where an Order 3 allocation procedure is being followed.

*These values are the result of row D divided by row E.

Table 3.1-7

Residential Fuel Use Allocated to Subcounty Areas

A. County Fulton
B. Year 1970
C. Allocation Order 3

ADJUSTED

(1) Subarea	Annual Fuel Use					
	Coal (tons/yr)			Oil (10^3 gal/yr)		Natural Gas (10^6 ft^3/yr)
	(2) Anthracite	(3) Bituminous	(4) Lignite	(5) Distillate	(6) Residual	(7)
Atlanta		5420		1290		10,603
Fairburn		147		90		67
Hapeville		536		187		242
Rosswell		253		88		114
Union City		130		46		59
East Point		1948		683		883
College Park		-0-		-0-		292
SUBAREA TOTAL		8434		2384		12,260
Residual		3866		1353		1,740
D. ACTUAL COUNTY TOTAL		12300		3738		14,000
E. COMPUTED COUNTY TOTAL[1]		12300		3737		14,000

---

[1] This row will be used only in cases where an Order 3 allocation procedure is being followed.

Table 3.1-8
Residential Fuel Combustion Emission Factors

A. County Fulton
B. Year 1970
C. Allocation order 3

		Emission Factors				
	(1)	(2) Part.	(3) SO_x	(4) CO	(5) HC *	(6) NO_x *
Coal	Anthracite					
	Bituminous	14.6 lb/ton	64.6 lb/ton	10 lb/ton		
	Lignite					
Oil	Distillate	10 lb/ 10^3 gal	30.24 lb/ 10^3 gal	5 lb/ 10^3 gal		
	Residual					
Natural Gas		19 lb/ 10^6 ft^3	.6 lb/ 10^6 ft^3	20 lb/ 10^6 ft^3		

*These pollutants have been exluded from this analysis because they are to be treated on an AQCR basis.

Table 3.1-9

Residential Fuel Combustion Emissions Allocated to Subcounty Areas

A. County Fulton
B. Year 1970
C. Allocation Order 3

	Emissions (tons/yr)				
(1) Subarea	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
Atlanta	146.74	197.75	136.36		
Fairburn	2.16	6.13	1.63		
Hapeville	7.15	20.21	5.57		
Rosswell	3.37	9.54	2.62		
Union City	1.74	4.91	1.36		
East Point	26.02	73.51	20.28		
College Park	2.77	.09	2.92		
SUBAREA TOTAL	189.96	312.16	170.73		
Residual	51.52	145.85	40.11		
D. COUNTY TOTAL	241.48	457.99	210.84		

Table 3.1-2

Dwelling-Unit-Based Allocation Proportions for Subcounty Areas

A. County Fulton
B. Year 1975
C. Allocation Order 3

(1) Subarea	(2) Number of Dwelling Units	(3) Allocation Proportion
Atlanta	163,199	.699
Fairburn	1,287	.006
Hapeville	3,940	.017
Rosswell	2,500	.011
Union City	1,276	.005
East Point	15,288	.066
College Park	5,761	.025
SUBAREA TOTAL	193,252	.828
Residual [1]	40,084	.172
D. COUNTY TOTAL	233,336	1.0

[1] Residual is equal to the COUNTY TOTAL (row D, column [2]) minus the sum of the dwelling units accounted for by all specified subcounty areas.

$$RDU = TDU - \sum_{i=1}^{N} DU_i$$

where:

RDU = Residual dwelling units not accounted for by specified subareas
TDU = COUNTY TOTAL (row D, column 2)
DU_i = Dwelling units in each specified subcounty area i

Table 3.1-9

Residential Fuel Combustion Emissions Allocated to Subcounty Areas

A. County Fulton
B. Year 1975
C. Allocation Order 3

(1) Subarea	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
Atlanta	153.05	206.25	142.22		
Fairburn	2.93	8.31	2.21		
Hapeville	7.61	21.52	5.93		
Rosswell	4.97	14.06	3.86		
Union City	2.61	7.36	2.04		
East Point	30.31	85.64	23.63		
College Park	3.74	.12	3.94		
SUBAREA TOTAL	205.22	343.26	183.83		
Residual	78.31	221.69	60.97		
D. COUNTY TOTAL	283.53	564.95	244.80		

Table 3.1-2

Dwelling-Unit-Based Allocation Proportions for Subcounty Areas

A. County Fulton
B. Year 1980
C. Allocation Order 3

(1) Subarea	(2) Number of Dwelling Units	(3) Allocation Proportion
Atlanta	169,890	.657
Fairburn	1,625	.006
Hapeville	4,180	.016
Rosswell	3,305	.013
Union City	1,701	.007
East Point	17,459	.067
College Park	7,259	.028
SUBAREA TOTAL	205,419	.794
Residual [1]	53,351	.206
D. COUNTY TOTAL	258,770	1.0

---

[1] Residual is equal to the COUNTY TOTAL (row D, column [2]) minus the sum of the dwelling units accounted for by all specified subcounty areas.

$$RDU = TDU - \sum_{i=1}^{N} DU_i$$

where:

RDU = Residual dwelling units not accounted for by specified subareas
TDU = COUNTY TOTAL (row D, column 2)
DU_i = Dwelling units in each specified subcounty area i

Table 3.1-9

Residential Fuel Combustion Emissions Allocated to Subcounty Areas

A. County Fulton
B. Year 1980
C. Allocation Order 3

(1) Subarea	Emissions (tons/yr) (2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
Atlanta	159.33	214.71	148.05		
Fairburn	3.70	10.50	2.79		
Hapeville	8.07	22.83	6.29		
Rosswell	6.57	18.59	5.10		
Union City	3.48	9.81	2.72		
East Point	34.61	97.80	26.99		
College Park	4.71	.15	4.96		
SUBAREA TOTAL	220.47	374.39	196.90		
Residual	96.24	272.45	74.93		
D. COUNTY TOTAL	316.71	646.84	271.83		

Table 3.1-2

Dwelling-Unit-Based Allocation Proportions for Subcounty Areas

A. County Fulton
B. Year 1985
C. Allocation Order 3

	(1) Subarea	(2) Number of Dwelling Units	(3) Allocation Proportion
	Atlanta	181,612	.606
	Fairburn	2,283	.008
	Hapeville	4,364	.015
	Rosswell	4,402	.015
	Union City	2,245	.007
	East Point	19,048	.064
	College Park	8,116	.027
	SUBAREA TOTAL	222,070	.741
	Residual [1]	77,586	.259
D.	COUNTY TOTAL	299,656	1.0

[1] Residual is equal to the COUNTY TOTAL (row D, column [2]) minus the sum of the dwelling units accounted for by all specified subcounty areas.

$$RDU = TDU - \sum_{i=1}^{N} DU_i$$

where:

RDU = Residual dwelling units not accounted for by specified subareas
TDU = COUNTY TOTAL (row D, column 2)
DU_i = Dwelling units in each specified subcounty area i

Table 3.1-9

Residential Fuel Combustion Emissions Allocated to Subcounty Areas

A. County Fulton
B. Year 1985
C. Allocation Order 3

(1) Subarea	Emissions (tons/yr) (2) Part.	 (3) SO_x	 (4) CO	 (5) HC	 (6) NO_x
Atlanta	170.32	229.52	158.27		
Fairburn	5.20	14.75	3.92		
Hapeville	8.43	23.83	6.57		
Rosswell	8.75	24.76	6.79		
Union City	4.59	12.95	3.59		
East Point	37.76	106.70	29.45		
College Park	5.27	.17	5.55		
SUBAREA TOTAL	240.32	412.68	214.14		
Residual	141.38	400.23	110.07		
D. COUNTY TOTAL	381.70	812.91	324.21		

B. 2. 2 Transportation Emissions

Transportation
Allocation Procedure

ALL ORDERS
Isolate limited access highways

ORDER 1
Allocate VMT by population distribution

ORDER 2
Determine subarea VMT using planning study

ORDER 3
Determine subarea VMT by simulation model
Locate other transportation sources

Sequence of Tables

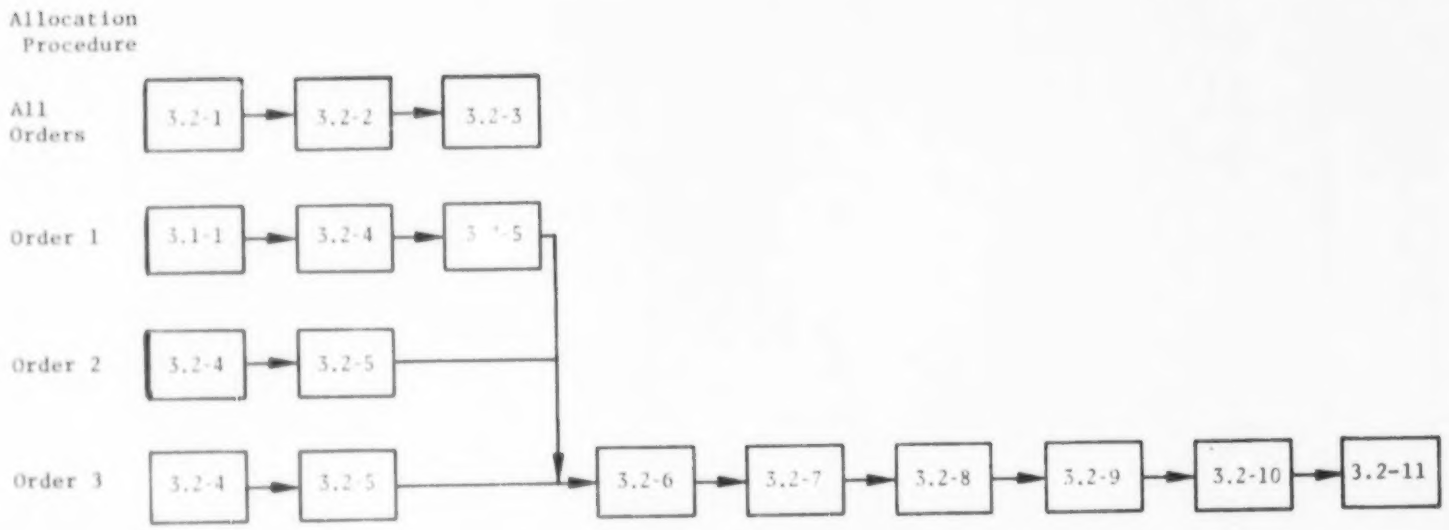
Allocation Procedure
All Orders
3.2-1
3.2-2
3.2-3
Order 1
3.1-1
3.2-4
3 -5
Order 2
3.2-4
3.2-5
Order 3
3.2-4
3.2-5
3.2-6
3.2-7
3.2-8
3.2-9
3.2-10
3.2-11

Figure 3.2-1 Transportation Allocation Table Sequence

ASSUMPTIONS AND LIMITATIONS OF THE EXAMPLE FOR TRANSPORTATION AND EMISSIONS

A. Order 1 computations were performed because the data available for analysis necessitated this.

B. Only motor vehicle emissions were computed since the data for other transportation modes could not be obtained within the time constraints of the project. It is not expected that the states would experience this difficulty, because the county-wide computations would be completed and the necessary data already collected.

C. Future year results (1975, 1980, 1985) are not representative of the actual situation in Fulton County, Georgia, because the forecasting methods employed were not adjusted for the proposed transit system or any additional highway or arterial street links.

D. Forecasts of VMT (Vehicle Miles of Travel) were computed in the following manner:

1) Total county population for 1970, 1980, 1990 were obtained from the Atlanta Regional Commission.

2) Five year growth rates were calculated by interpolating the decade data, such that the percentage growth for the first five years equaled the percentage growth for the second five years.

3) Using 1970 VMT for each limited access highway link, classified by vehicle type, to start each succeeding year's VMT was obtained by multiplying VMT from the previous year by the factor, 1 + population growth rate. The rate of increase in annual miles driven for all vehicle types were thereby assumed to equal the rate of county population growth.

4) The VMT on every highway link was assumed to grow at the same rate.

5) Non-limited-access-highway VMT also grew at the same rate as population. The increases were distributed the same as population increases in the various towns and rural areas.

6) The above procedure was done only as a substitute for the projections prepared by the state highway department, but unavailable to us in time to prepare the example. It is not recommended that forecasts be obtained using the above procedure, since the effects of all known changes, such as Atlanta's proposed new transit system, should be accounted for in any forecast.

E. Because national average vehicle age distributions were not available for the forecast years considered, the 1970 age distribution was weighted by annual miles driven and applied to each forecast year. Although it would be reasonable to assume that the proportion of older cars will increase in the future (i.e., the distribution of vehicles will age), such modified projections could not be obtained. Using the 1970 age distribution corrected for annual miles driven, it was reasoned that this approach provided a better solution to data deficiencies than assuming a constant rate of automobile replacement.

F. The motor vehicle emissions estimates are probably conservative (e.g., high) and this is considered appropriate for Order 1 computations.

G. The speed factors for limited access highways were determined using AP-42 and the average speed for each link was assumed to be 45 MPH. This conservative estimate was applied because assuming a higher average speed would yield lower speed correction factors and, therefore, lower emissions estimates. The speed correction factor of 0.5 was used to estimate CO.

H. On Table 3.2-2, Columns (1)-(3) are the same for all years.
Columns (4)-(6) are not applicable for forecast years.
Column (10) is always 45 MPH.

Table 3.2-1

Motor Vehicle Emission Factors

A. County Fulton
B. Year 1970
C. Allocation Order 1

	Emission Factors (grams/vehicle-mile)					
(1) Vehicle Class	(2) Part.	(3) SO_x	(4) CO	(5) HC * (exhaust)	(6) HC * (evap.)	(7) NO_x*
LDG	.34	.13	75.2			
HDG	.65	.26	138.1			
HDD	1.2	2.4	20.4			

*These pollutants have been excluded from this analysis because they are to be treated on an AQCR basis.

Table 3.2-2a

Limited Access Highway Data

A. County Fulton

B. Year 1970

C. Allocation Order 1

Identification Number (1)	Highway Segment				Length (mi) (4)	Annual Volume (10^6 vehicles/yr)			VMT (10^6 vehicle-miles/yr)			Speed[1] (mph) (11)
	(2) Begin		(3) End			(5)	(6)	(7)	(8)	(9)	(10)	
	x	y	x	y		LDG	HDG	HDD	LDG	HDG	HDD	
1	741.6	3726	741.6	3727	0.32	14.64	1.093	.338	4.69	.350	.108	45
2	741.6	3727	741.3	3729	1.98	18.30	1.366	.422	36.23	2.704	.835	45
3	741.3	3729	741.2	3731	0.52	21.90	1.635	.505	11.39	.850	.263	45
4	741.2	3731	741.1	3732	0.70	26.59	1.985	.613	18.61	1.389	.429	45
5	741.1	3732	741.6	3736	1.80	36.19	2.701	.834	65.15	4.863	1.502	45
*6	741.1	3336	741.9	3737	1.10	40.42	3.017	.932	44.46	3.319	1.025	45
*7	741.9	3737	741.1	3739	0.60	42.20	3.150	.973	25.32	1.890	.584	45
*8	741.1	3739	741.1	3739	0.40	36.80	2.747	.848	14.72	1.099	.339	45
*9	741.1	3739	741.1	3740	0.20	47.36	3.535	1.092	9.47	.707	.218	45
*10	741.1	3740	741.1	3741	0.45	45.38	3.387	1.046	20.42	1.524	.471	45
*11	741.1	3741	741.1	3741	0.40	37.36	2.789	.861	14.94	1.116	.345	45
*12	741.1	3741	741.1	3741	0.25	35.90	2.680	.828	8.98	.670	.207	45
*13	741.1	3741	741.1	3742	0.20	39.17	2.924	.903	7.83	5.848	.181	45
*14	741.1	3742	741.1	3743	0.18	44.13	3.294	1.017	7.94	.593	.183	45
*15	741.1	3743	741.1	3743	0.50	42.91	3.203	.989	21.46	1.602	.495	45
D. COUNTY TOTAL												

[1] If actual data are not available use design speed for highway segment in question.

* Coordinates estimated.

NOTE: Information for 1970 has been typed in this Table as a procedural example. Information for 1975, 1980, and 1985 is presented in computer printout format in Tables 3.2-2b, 3.2-2c, and 3.2-2d, respectively.

Table 3.2-2 a (Continued)

Limited Access Highway Data

A. County Fulton

B. Year 1970

C. Allocation Order 1

Identification Number (1)	Highway Segment				Length (mi) (4)	Annual Volume (10^6 vehicles/yr)			VMT (10^6 vehicle-miles/yr)			Speed[1] (mph) (11)
	(2) Begin		(3) End			(5)	(6)	(7)	(8)	(9)	(10)	
	x	y	x	y		LDG	HDG	HDD	LDG	HDG	HDD	
*16	741.1	3743	741.1	3744	0.71	45.17	3.371	1.041	30.07	2.393	.739	45
17	741.1	3744	741.2	3744	0.36	37.08	2.768	.855	13.35	.997	.308	45
18	741.2	3744	741.2	3745	0.70	40.99	3.059	.945	28.69	2.141	.661	45
19	741.2	3745	740.3	3747	1.03	24.89	1.797	.545	25.64	1.851	.561	45
20	740.3	3747	739.6	3747	0.36	25.86	1.930	.596	9.31	.695	.215	45
21	739.6	3747	736.8	3750	2.02	21.94	1.638	.506	44.32	3.309	1.022	45
22	736.8	3750	737.2	3752	1.20	21.55	1.609	.497	25.86	1.931	.596	45
23	737.2	3752	736.8	3755	1.10	24.47	1.826	.564	26.92	2.009	.620	45
24	736.8	3755	736.2	3756	1.00	18.90	1.410	.436	18.90	1.410	.436	45
25	736.2	3756	734.1	3758	1.15	19.07	1.424	.440	21.93	1.638	.506	45
26	734.6	3721	733.1	3721	0.70	22.06	1.647	.509	15.44	1.153	.356	45
27	733.1	3721	732.1	3721	0.80	18.90	1.411	.436	15.12	1.129	.349	45
28	732.1	3721	731.1	3725	1.26	10.59	.791	.244	13.34	.996	.308	45
29	731.1	3725	730.6	3727	1.38	10.46	.936	.304	14.43	1.292	.420	45
30	730.6	3727	730.1	3731	2.38	10.14	.672	.209	24.13	1.600	.498	45
D. COUNTY TOTAL												

[1] If actual data are not available use design speed for highway segment in question.

* Coordinates estimated.

Table 3.2-2a (Continued)

Limited Access Highway Data

A. County Fulton

B. Year 1970

C. Allocation Order 1

Identification Number (1)	Highway Segment				Length (mi) (4)	Annual Volume (10^6 vehicles/yr)			VMT (10^6 vehicle-miles/yr)			Speed[1] (mph) (11)
	(2) Begin		(3) End			(5)	(6)	(7)	(8)	(9)	(10)	
	x	y	x	y		LDG	HDG	HDD	LDG	HDG	HDD	
31	730.1	3731	729.9	3736	2.40	9.69	.736	.235	23.26	1.765	.563	45
32	729.9	3736	730.7	3739	2.21	14.35	1.036	.314	31.71	2.289	.694	45
33	730.7	3739	731.2	3741	0.80	16.66	1.244	.384	13.33	.995	.307	45
34	731.2	3741	731.9	3744	1.58	13.46	1.004	.310	21.27	1.586	.490	45
35	731.9	3744	731.2	3747	1.05	16.21	1.210	.374	17.02	1.271	.392	45
36	731.2	3747	730.4	3747	0.75	10.85	.810	.250	8.14	.607	.188	45
37	736.2	3759	737.9	3761	0.70	21.90	1.634	.505	15.33	1.144	.353	45
38	737.9	3761	743.6	3762	1.70	19.69	1.445	.431	33.47	2.457	.733	45
39	743.6	3762	743.5	3761	1.61	23.60	1.762	.544	38.00	2.837	.876	45
40	743.5	3761	744.8	3761	1.24	30.10	2.247	.694	37.32	2.786	.860	45
41	744.8	3761	744.2	3761	0.41	18.34	1.370	.423	7.52	.562	.173	45
42	744.2	3761	747.6	3761	0.20	22.16	1.654	5.108	4.43	.678	2.094	45
43	747.0	3728	744.9	3726	1.30	13.68	1.021	.315	17.78	1.327	.410	45
44	744.9	3726	744.1	3725	0.30	14.64	1.093	.338	4.39	.328	.101	45
45	736.5	3725	737.6	3727	0.98	17.62	1.315	.406	17.26	1.289	.398	45
D. COUNTY TOTAL												

[1] If actual data are not available use design speed for highway segment in question.

Table 3.2-2 a (Continued)

Limited Access Highway Data

A. County Fulton

B. Year 1970

C. Allocation Order 1

Identification Number (1)	Highway Segment (2) Begin x	y	(3) End x	y	Length (mi) (4)	Annual Volume (10⁶ vehicles/yr) (5) LDG	(6) HDG	(7) HDD	VMT (10⁶ vehicle-miles/yr) (8) LDG	(9) HDG	(10) HDD	Speed[1] (mph) (11)
46	737.6	3727	738.4	3728	0.32	13.00	.970	.300	4.16	.311	.096	45
47	738.4	3728	739.1	3729	0.54	15.28	1.140	.352	8.25	.616	.190	45
48	739.1	3729	740	3730	1.25	16.92	1.263	.390	21.15	1.579	.488	45
49	740	3730	740.1	3729	0.30	15.03	1.122	.347	4.51	337	.104	45
50	740	3729	741.1	3729	0.60	17.34	1.294	.406	10.40	.776	.240	45
51	741.9	3746	742.6	3746	0.25	28.90	2.157	.666	7.23	.539	.167	45
52	742.6	3746	745	3748	1.60	33.58	2.506	.774	53.73	4.010	1.239	45
53	745	3748	745.6	3748	0.21	30.09	2.246	.694	6.32	.472	.146	45
54	745.6	3748	747	3749	1.20	26.78	1.999	.617	32.14	2.399	.741	45
55	725.9	3742	727.3	3741	0.70	14.20	1.060	.327	9.94	.742	.229	45
56	727.3	3741	731.2	3741	1.88	19.06	1.423	.439	35.83	2.675	.826	45
57	731.2	3741	733.5	3740	1.60	21.73	1.478	.456	34.77	2.365	.730	45
58	733.5	3740	736.1	3739	1.75	25.34	1.689	.584	44.34	2.956	1.022	45
59	436.1	3739	737.5	3738	0.88	24.83	1.854	.573	21.85	1.632	.504	45
60	737.5	3738	739	3738	0.79	29.04	2.168	.670	22.94	1.713	.529	45
D. COUNTY TOTAL												

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[1] If actual data are not available use design speed for highway segment in question.

Table 3.2-2a (Continued)

Limited Access Highway Data

A. County Fulton

B. Year 1970

C. Allocation Order 1

Identification Number (1)	Highway Segment				Length (mi) (4)	Annual Volume (10^6 vehicles/yr)			VMT (10^6 vehicle-miles/yr)			Speed[1] (mph) (11)
	(2) Begin		(3) End			(5)	(6)	(7)	(8)	(9)	(10)	
	x	y	x	y		LDG	HDG	HDD	LDG	HDG	HDD	
*61	739	3738	739.9	3738	0.20	22.17	1.655	.511	4.43	.331	.102	45
62	739.9	3738	740.8	3738	0.67	28.40	2.120	.655	12.75	1.420	.439	45
63	740.8	3738	741.5	3738	0.34	28.70	2.142	.662	9.76	.728	.225	45
64	741.5	3738	741.1	3739	0.44	28.52	2.128	.657	12.55	.936	.289	45
65	741.1	3739	743.2	3739	0.65	29.63	2.212	.683	19.26	1.438	.444	45
66	743.2	3739	744.8	3739	0.64	29.96	2.236	.691	19.17	1.431	.442	45
67	744.8	3739	747	3739	1.11	35.20	2.627	.811	39.07	2.916	.900	45
68	743.2	3741	744.1	3741	0.40	9.56	.713	.220	3.82	2.853	.088	45
*69	738.5	3727	739	3726	0.23	9.73	.726	.224	2.24	.167	.052	45
70	738.4	3728	738.5	3727	0.15	6.57	.491	.152	.99	.074	.023	45
71	744.8	3761	744.8	3763	1.25	5.97	.445	.138	7.46	.557	.172	45
D. COUNTY TOTAL												

[1] If actual data are not available use design speed for highway segment in question.

*Coordinates estimated.

Table 1.2-1a*

Limited Access Highway Emissions

A. County Fulton

B. Year 1970

C. Allocation Order 1

Emissions (10^3 tons/yr)

Highway Segment Sequence Identification (1)	Part.			SO_x			Speed Correction Factor CO (8)	CO			Speed Correction Factor HC (12)	HC (exhaust)			HC (evap.) (16)	Speed Correction Factor NO_x (17)	NO_x		
	(2) LDG	(3) HDG	(4) HDD	(5) LDG	(6) HDG	(7) HDD		(9) LDG	(10) HDG	(11) HDD		(13) LDG	(14) HDG	(15) HDD			(18) LDG	(19) HDG	(20) HDD
D. COUNTY TOTAL																			

*Statistical information for this table is presented in the following computer printout tabulation with corresponding table no.

1970 EMISSIONS IN TONS/DAY

Table 5.2-5a

Part.			SO_x			CO		
LDG (2)	HDG (3)	HDD (4)	LDG (5)	HDG (6)	HDD (7)	LDG (9)	HDG (10)	HDD (11)
1.757	0.251	0.143	0.677	0.100	0.226	194.342	26.642	1.215
13.587	1.939	1.105	5.195	0.775	2.211	1502.560	205.942	9.395
4.271	0.610	0.348	1.611	0.244	0.695	472.375	64.753	2.954
6.979	0.996	0.568	2.667	0.398	1.136	771.589	105.759	4.827
24.473	3.487	1.993	9.342	1.395	3.976	2701.953	370.377	16.898
16.671	2.382	1.357	6.375	0.953	2.713	1843.881	252.782	11.532
9.496	1.355	0.772	3.631	0.542	1.545	1050.091	143.946	6.566
5.520	0.788	0.449	2.111	0.315	0.898	610.412	83.702	3.817
3.552	0.507	0.289	1.358	0.203	0.577	392.732	53.547	2.457
7.658	0.000	0.623	2.929	0.000	1.246	846.675	0.000	5.296
5.603	0.720	0.456	2.142	0.320	0.912	619.604	84.937	3.876
3.366	0.000	0.274	1.287	0.000	0.548	372.213	0.000	2.328
2.911	4.181	0.238	1.113	1.677	0.473	314.798	445.396	2.032
2.979	0.000	0.242	1.138	0.000	0.485	329.418	0.000	2.060
8.041	1.193	0.655	3.077	0.459	1.309	890.006	122.012	5.565
12.027	1.716	0.978	4.599	0.686	1.957	1330.233	182.256	9.315
5.007	0.714	0.407	1.914	0.286	0.815	553.662	75.896	3.462
10.759	1.535	0.875	4.114	0.614	1.751	1189.355	163.063	7.441
9.616	1.377	0.782	3.677	0.551	1.475	1063.363	148.376	6.320
3.491	0.499	0.284	1.335	0.199	0.568	386.112	52.917	2.414
16.621	2.372	1.353	6.355	0.949	2.705	1838.074	252.021	11.499
9.692	1.384	0.789	3.705	0.554	1.578	1072.487	147.069	6.709
10.095	1.440	0.821	3.860	0.576	1.640	1116.448	153.010	6.980
7.099	1.011	0.577	2.710	0.404	1.153	785.336	107.389	4.902
8.224	1.174	0.669	3.145	0.470	1.340	909.499	124.754	5.687
5.790	0.827	0.471	2.214	0.331	0.943	640.340	87.815	4.005
5.670	0.809	0.461	2.168	0.324	0.923	627.063	85.987	3.922

1970 Emissions in Tons/Yr

Table 3.2-3a (Continued)

Part.			SO_x			CO		
LDG (2)	HDG (3)	HDD (4)	LDG (5)	HDG (6)	HDD (7)	LDG (9)	HDG (10)	HDD (11)
5.001	0.714	0.427	1.911	0.116	0.615	[illegible]	[illegible]	[illegible]
5.417	0.562	0.556	1.863	0.371	[illegible]	560.451	[illegible]	[illegible]
9.843	1.147	0.662	3.468	0.459	[illegible]	1082.708	[illegible]	6.627
[illegible]	1.165	0.946	3.196	0.526	1.438	964.657	134.416	[illegible]
[illegible]	1.891	[illegible]	4.547	0.656	1.336	1115.186	174.942	[illegible]
4.991	0.714	0.427	1.911	0.135	[illegible]	[illegible]	[illegible]	[illegible]
7.277	1.147	0.544	3.250	0.455	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	0.841	[illegible]	1.448	0.354	[illegible]	[illegible]	[illegible]	[illegible]
3.852	0.435	0.341	[illegible]	0.134	0.466	[illegible]	[illegible]	[illegible]
3.749	0.612	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10.551	1.768	[illegible]	4.784	[illegible]	1.646	[illegible]	[illegible]	[illegible]
[illegible]	1.834	[illegible]	5.443	0.714	1.319	1575.868	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	5.551	0.799	[illegible]	1547.768	[illegible]	[illegible]
[illegible]	0.465	[illegible]	1.270	0.161	0.456	[illegible]	40.718	1.052
[illegible]	[illegible]	[illegible]	0.636	0.104	0.541	[illegible]	[illegible]	[illegible]
[illegible]	0.951	0.547	1.848	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1.847	0.238	0.134	0.616	0.084	[illegible]	[illegible]	[illegible]	[illegible]
5.471	0.884	[illegible]	[illegible]	[illegible]	1.654	[illegible]	[illegible]	[illegible]
1.568	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18.656	1.276
1.894	0.441	[illegible]	[illegible]	[illegible]	0.601	[illegible]	40.835	[illegible]
[illegible]	[illegible]	0.645	3.031	0.451	[illegible]	[illegible]	100.262	5.406
1.691	0.241	[illegible]	0.647	[illegible]	[illegible]	[illegible]	25.628	1.270
[illegible]	0.559	[illegible]	1.481	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	0.327	0.122	1.236	0.135	0.441	235.541	41.274	[illegible]
10.152	1.675	1.046	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2.372	[illegible]	[illegible]	0.984	0.132	[illegible]	[illegible]	35.966	1.659
[illegible]	[illegible]	[illegible]	4.663	0.655	[illegible]	1656.936	182.713	6.334
[illegible]	[illegible]	0.383	1.465	0.213	0.606	412.640	56.512	[illegible]
[illegible]	[illegible]	1.831	5.132	0.767	2.137	1485.978	203.734	[illegible]
[illegible]	1.696	0.968	4.926	0.672	1.933	[illegible]	[illegible]	[illegible]

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1970 Emissions in Tons/Yr

Table 3.2-3a (Continued)

Part.			SO_x			CO		
LDG (2)	HDG (3)	HDD (4)	LDG (5)	HDG (6)	HDD (7)	LDG (9)	HDG (10)	HDD (11)
16.627	1.110	[illegible]	6.352	0.342	2.705	1335.304	225.135	11.495
5.134	1.172	0.667	3.133	0.462	1.334	966.181	124.237	5.661
5.602	1.122	0.702	3.229	0.431	1.402	951.336	130.466	5.958
1.661	0.117	[illegible]	0.636	0.085	0.271	153.990	25.010	1.150
4.712	1.011	0.331	7.023	0.407	1.161	521.778	101.150	4.336
3.453	0.522	0.192	1.330	0.229	0.595	404.630	55.463	2.530
4.707	0.671	0.121	1.500	0.263	0.766	520.434	71.111	3.255
7.221	1.031	0.321	1.761	0.412	1.175	781.766	103.521	4.395
7.189	1.026	0.335	1.749	0.410	1.170	785.034	103.509	4.372
14.652	1.031	1.190	5.600	0.336	2.364	1622.140	222.803	10.131
1.417	1.045	0.117	0.345	0.115	0.333	151.525	117.291	0.991
0.135	0.112	0.051	0.101	0.040	0.136	90.775	12.719	0.579
0.172	0.051	0.032	0.141	0.021	0.060	40.552	5.606	0.255
[illegible]	0.380	0.122	1.069	0.160	0.455	389.304	42.332	1.334

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Table 3.1-1

Population-Based Allocation Proportions for Subcounty Areas

A. County Fulton
B. Year 1970
C. Allocation Order 1

(1) Subareas	(2) Population	(3) Allocation Proportion
Atlanta	455,140	.749
Fairburn	3,143	.005
Hapeville	9,567	.016
Rosswell	5,430	.009
Union City	3,031	.005
East Point	39,315	.065
College Park	12,305	.020
SUBAREA TOTAL	527,931	.869
Residual[1]	79,661	.131
D. COUNTY TOTAL	607,592	1.0

---

[1] Residual is equal to the COUNTY TOTAL (row D, column [2]) minus the sum of the population accounted for by all specified subcounty areas.

$$RP = TPOP - \sum_{i=1}^{N} POP_i$$

where:
RP = Residual population not accounted for by specified subareas
TPOP = COUNTY TOTAL (row D, column [2])
POP_i = Population in each specified subcounty area i.

Table 3.2-4

Motor Vehicle Data Allocated to Subcounty Areas

A. County Fulton
B. Year 1970
C. Allocation Order 1

Subarea (1)	VMT (10^6 Vehicle-miles/yr) (2) LDG	(3) HDG	(4) HDD	Average Speed (mph) (5)
Atlanta	1379.7	109.4	.166	
Fairburn	9.2	.7	.0011	
Hapeville	29.5	2.4	.0035	
Roswell	16.6	1.3	.002	
Union City	9.2	.7	.0011	
East Point	119.7	9.5	.014	
College Park	36.8	2.9	.004	
SUBAREA TOTAL	1600.7	126.9	.193	
Residual	241.3	19.1	.029	
D. COUNTY TOTAL	1842.0	146	.222	

Table 3.2-1
Motor Vehicle Emissions Allocated
to Subcounty Areas

A. County Fulton
B. Year 1970
C. Allocation Order 1

Emissions
~~(10^3 tons/yr)~~ = (10^6 grams/yr)

Subarea	Part.			SO$_x$			Speed Correction Factor CO	CO			Speed Correction Factor HC	HC (exhaust)			HC (evap.)	Speed Correction Factor NO$_x$	NO$_x$		
(1)	(2) LDG	(3) HDG	(4) HDD	(5) LDG	(6) HDG	(7) HDD	(8)	(9) LDG	(10) HDG	(11) HDD	(12)	(13) LDG	(14) HDG	(15) HDD	(16)	(17)	(18) LDG	(19) HDG	(20) HDD
Atlanta	469	71.1	.2	179	28	.4	1.0	10413	1363	5.4									
Fairburn	3.1	.47	.001	1.43	.19	.003	1.0	612	101	.073									
Hapeville	10.03	1.56	.004	3.84	.62	.008	1.0	2218	331	.072									
Rosswell	5.6	.845	.002	2.16	.34	.005	1.0	1248	170	.041									
Union City	3.1	.474	.001	1.2	.19	.003	1.0	692	101	.023									
East Point	40.7	6.17	.017	15.6	2.5	.035	1.0	9001	1512	.204									
College Park	12.5	1.89	.005	4.78	.75	.011	1.0	2767	400	.09									
SUBAREA TOTAL	544	82.5	.230	208.1	32.6	.465	1.0	12013	1813	3.945									
Residual	82	12.4	.035	31.4	4.97	.070	1.0	1813	2638	.393									
D. COUNTY TOTAL	626	94.9	.265	239.4	37.56	.535	1.0	13813	208.3	4.536									

NOTE: All emissions values are in millions of grams. Therefore, 12013 is read 12.0 billion grams.

Table 3.2-11

Transportation Emissions Allocated to Subcounty Areas

A. County Fulton
B. Year 1970
C. Allocation Order I

(1) Subarea	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
Atlanta	595.7	228.7	131201.2		
Fairburn	4.0	1.8	786.1		
Hapeville	12.8	5.0	2810.4		
Rosswell	7.1	2.8	1573.3		
Union City	4.0	1.5	874.3		
East Point	51.7	20.0	11370.4		
College Park	15.9	6.1	3491.7		
SUBAREA TOTAL	690.9	265.8	152107.4		
Residual	104.1	40.1	22754.1		
D. COUNTY TOTAL	795.0	305.9	174861.5		

Table 3.2-1

Motor Vehicle Emission Factors

A. County **Fulton**
B. Year 1975
C. Allocation Order 1

(1) Vehicle Class	Emission Factors (grams/vehicle-mile)					
	(2) Part.	(3) SO_x	(4) CO	(5) HC* (exhaust)	(6) HC* (evap.)	(7) NO_x*
LDG	.34	.13	43.9			
HDG	.65	.26	134.6			
HDD	1.2	2.4	20.4			

*These pollutants have been excluded from this analysis because they are to be treated on an AQCR basis.

Format for
Table 3.2-25*
Limited Access Highway Data

A. County Fulton

B. Year 1975

C. Allocation Order 1

Identification Number (1)	Highway Segment				Length (mi) (4)	Annual Volume (10^6 vehicles/yr)			VMT (10^6 vehicle-miles/yr)			Speed[1] (mph) (11)
	(2) Begin		(3) End			(5)	(6)	(7)	(8)	(9)	(10)	
	x	y	x	y		LDG	HDG	HDD	LDG	HDG	HDD	
D. COUNTY TOTAL												

[1] If actual data are not available use design speed for highway segment in question.

*Statistical information for this table is presented in the following computer printout tabulation with corresponding table no.

Table 3.2-2b

VMT BY VEHICLE TYPE
YEAR: 1975

LDG (7)	HDG (8)	HDD (9)
4.920	0.367	0.113
38.041	2.839	0.877
11.959	0.893	0.276
19.540	1.458	0.450
68.407	5.106	1.577
46.683	3.485	1.076
26.586	1.984	0.613
15.456	1.154	0.356
9.946	0.742	0.229
21.441	0.000	0.494
15.687	1.172	0.362
9.424	0.000	0.217
8.226	6.140	0.190
8.340	0.000	0.192
22.533	1.682	0.519
33.673	2.513	0.776
14.017	1.046	0.323
30.124	2.248	0.694
26.922	1.944	0.589
9.775	0.730	0.225
46.536	3.474	1.073
27.153	2.028	0.626
28.266	2.109	0.651
19.845	1.480	0.457
23.026	1.720	0.531
16.212	1.211	0.374
15.876	1.185	0.366
14.007	1.046	0.323

VMT by Vehicle Type
Year: 1975

Table 3.2-2b (Continued)

LDG (7)	HDG (8)	HDD (9)
15.151	1.357	0.441
25.336	1.630	0.523
24.423	1.853	0.591
33.295	2.403	0.728
13.996	1.045	0.323
22.333	1.665	0.515
17.871	1.335	0.412
8.545	0.638	0.197
16.096	1.201	0.371
35.143	2.550	0.770
39.900	2.979	0.920
39.136	2.925	0.903
7.895	0.590	0.182
4.654	0.712	0.199
18.669	1.393	0.430
4.612	0.344	0.106
18.123	1.353	0.418
4.368	0.326	0.101
8.664	0.646	0.200
22.207	1.658	0.512
4.734	0.353	0.109
10.920	0.815	0.252
7.586	0.566	0.175
56.416	4.210	1.301
6.635	0.495	0.153
33.747	2.519	0.778
10.437	0.779	0.241
37.621	2.809	0.867
36.503	2.483	0.767
46.557	3.104	1.073

VMT by Vehicle Type Table 3.2-2b (Continued)
Year: 1975

LDG (7)	HDG (8)	HDD (9)
22.942	1.714	0.529
24.087	1.799	0.555
4.656	0.348	0.107
13.387	1.491	0.461
10.246	0.765	0.236
13 177	0.983	0.304
20.223	1.510	0.466
20.128	1.503	0.464
41.023	3.062	0.946
4.013	2.996	0.093
2.349	0.175	0.054
1.035	0.077	0.024
7.831	0.584	0.180

Table 3.2-35*

Limited Access Highway Emissions

A. County Fulton
B. Year 1975
C. Allocation Order 1

	Emissions (10³ tons/yr)																		
Highway Segment Sequence Identification (1)	Part.			SO_x			Speed Correction Factor CO (8)	CO			Speed Correction Factor HC (12)	HC(exhaust)			HC(evap.) (16)	Speed Correction Factor NO_x (17)	NO_x		
	(2) LDG	(3) HDG	(4) HDD	(5) LDG	(6) HDG	(7) HDD		(9) LDG	(10) HDG	(11) HDD		(13) LDG	(14) HDG	(15) HDD			(18) LDG	(19) HDG	(20) HDD
D. COUNTY TOTAL																			

*Statistical information for this table is presented in the following computer printout tabulation with corresponding table no.

Table 3.2-3b

1975 EMISSIONS IN TONS/YR

Part.			SOx			CO		
LDG (2)	HDG (3)	HDD (4)	LDG (5)	HDG (6)	HDD (7)	LDG (9)	LDG (10)	HDD (11)
1.845	0.263	0.150	0.706	0.105	0.300	119.125	27.265	1.276
14.266	2.036	1.161	5.455	0.814	2.321	921.017	210.759	9.865
4.485	0.640	0.365	1.715	0.256	0.730	289.550	66.268	3.102
7.328	1.046	0.596	2.802	0.418	1.192	473.092	108.264	5.068
25.654	3.661	2.087	9.809	1.464	4.175	1656.204	379.039	17.743
17.507	2.499	1.425	6 694	0.999	2.849	1130.235	258.694	12.108
9.970	1.423	0.811	3.812	0.569	1.622	643.670	147.313	6.894
5.796	0.827	0.472	2.216	0.331	0.943	374.203	85.660	4.008
3.730	0.532	0.304	1.426	0.213	0.607	240.791	55.106	2.580
8.041	0.000	0.654	3.074	0.000	1.308	519.105	0.000	5.560
5.883	0.840	0.479	2.249	0.336	0.958	379.796	86.935	4.070
3.534	0.000	0.288	1.351	0.000	0.575	228.157	0.000	2.444
3.085	4.402	0.251	1.179	1.761	0.502	199.151	455.814	2.133
3.128	0.000	0.254	1.196	0.000	0.509	201.922	0.000	2.163
8.450	1.206	0.687	3.231	0.482	1.375	545.543	124.865	5.843
12.628	1.801	1.027	4.828	0.721	2.054	815.264	186.519	8.731
5.257	0.750	0.428	2.010	0.300	0.855	339.376	77.671	3.635
11.297	1.612	0.919	4.320	0.645	1.838	729.340	166.877	7.813
10.096	1.393	0.780	3.860	0.557	1.559	651.805	144.273	6.626
3.666	0.523	0.298	1.402	0.209	0.596	236.673	54.155	2.535
17.452	2.491	1.420	6.673	0.996	2.841	1126.676	257.915	12.073
10.183	1.454	0.829	3.893	0.581	1.657	657.397	150.509	7.043
10.600	1.512	0.862	4.053	0.605	1.724	684.344	156.588	7.329
7.442	1.061	0.606	2.846	0.425	1.211	480.464	109.900	5.147
8.635	1.233	0.703	3.302	0.493	1.405	557.491	127.671	5.972
6.080	0.868	0.495	2.325	0.347	0.990	392.506	89.869	4.205
5.954	0.850	0.484	2.276	0.340	0.969	384.371	87.998	4.119

1975 Emissions in Tons/Yr

Table 3.2-3b (Continued)

Part.			SOx			CO		
LDG (2)	HDG (3)	HDD (4)	LDG (5)	HDG (6)	HDD (7)	LDG (9)	HDG (10)	HDD (11)
5.253	0.750	0.428	2.008	0.300	0.855	339.121	77.663	3.635
5.682	0.973	0.583	2.173	0.389	1.167	366.831	100.703	4.959
9.502	1.204	0.693	3.633	0.482	1.385	613.418	124.710	5.886
9.159	1.329	0.792	3.502	0.531	1.564	591.302	137.570	6.648
12.486	1.723	0.984	4.774	0.689	1.928	806.112	178.413	8.195
5.249	0.749	0.427	2.007	0.300	0.854	338.867	77.569	3.630
8.376	1.194	0.681	3.202	0.478	1.362	540.713	123.615	5.790
6.702	0.957	0.545	2.563	0.383	1.090	432.672	99.066	4.634
3.205	0.457	0.261	1.225	0.183	0.521	206.879	47.327	2.215
6.037	0.861	0.491	2.308	0.344	0.982	389.710	89.167	4.175
13.180	1.850	1.019	5.039	0.740	2.037	850.854	191.507	8.659
14.963	2.136	1.217	5.721	0.854	2.435	966.013	221.126	10.349
14.698	2.097	1.196	5.619	0.839	2.391	948.726	217.151	10.163
2.961	0.423	0.241	1.132	0.169	0.482	191.143	43.781	2.047
1.745	0.510	2.910	0.667	0.204	5.820	112.668	52.853	24.737
7.001	0.999	0.570	2.677	0.400	1.139	451.992	103.431	4.842
1.729	0.247	0.141	0.661	0.099	0.282	111.651	25.558	1.197
6.796	0.970	0.553	2.599	0.388	1.106	438.773	100.469	4.702
1.638	0.234	0.133	0.626	0.094	0.267	105.753	24.209	1.133
3.249	0.463	0.264	1.242	0.185	0.529	209.752	47.982	2.247
8.328	1.189	0.678	3.184	0.475	1.355	537.662	123.073	5.760
1.776	0.253	0.145	0.679	0.101	0.289	114.625	26.236	1.229
4.095	0.584	0.333	1.566	0.234	0.667	264.382	60.515	2.833
2.845	0.406	0.231	1.088	0.162	0.463	183.670	42.035	1.967
21.157	3.019	1.722	8.090	1.207	3.444	1365.891	312.553	14.636
2.488	0.355	0.202	0.951	0.142	0.405	160.638	36.766	1.721
12.656	1.806	1.030	4.839	0.722	2.059	817.044	186.986	8.751
3.914	0.559	0.318	1.497	0.223	0.637	252.689	57.834	2.706
14.109	2.014	1.148	5.395	0.805	2.296	910.848	208.499	9.758
13.691	1.780	1.015	5.235	0.712	2.030	883.902	184.336	8.626

1975 Emissions in Tons/Yr

Table 3.2-3b (Continued)

Part.			SOx			CO		
LDG (2)	HDG (3)	HDD (4)	LDG (5)	HDG (6)	HDD (7)	LDG (9)	HDG (10)	HDD (11)
17.460	2.225	1.420	6.676	0.890	2.841	1127.185	230.401	12.073
8.604	1.229	0.700	3.290	0.491	1.400	555.457	127.204	5.951
9.033	1.290	0.735	3.454	0.516	1.470	583.167	133.517	6.248
1.746	0.249	0.142	0.668	0.100	0.284	112.718	25.799	1.207
5.021	1.069	0.610	1.920	0.428	1.219	324.123	110.680	5.182
3.842	0.548	0.313	1.469	0.219	0.625	248.062	56.766	2.657
4.942	0.705	0.402	1.890	0.282	0.804	319.038	72.978	3.418
7.584	1.083	0.617	2.900	0.433	1.234	489.616	112.083	5.245
7.549	1.077	0.614	2.886	0.431	1.228	487.328	111.537	5.220
15.385	2.195	1.251	5.882	0.878	2.503	993.214	227.283	10.638
1.505	2.148	0.122	0.575	0.859	0.245	97.161	222.373	1.041
0.881	0.126	0.072	0.337	0.050	0.143	56.869	13.017	0.608
0.388	0.055	0.032	0.148	0.022	0.063	25.058	5.737	0.268
2.937	0.419	0.239	1.123	0.168	0.478	189.593	43.383	2.031

Table 3.1-1

Population-Based Allocation Proportions for Subcounty Areas

A. County Fulton
B. Year 1975
C. Allocation Order 1

(1) Subareas	(2) Population	(3) Allocation Proportion
Atlanta	441,486	.692
Fairburn	4,620	.007
Hapeville	9,758	.015
Rosswell	8,905	.013
Union City	6,062	.008
East Point	43,640	.068
College Park	17,473	.027
SUBAREA TOTAL	531,944	.830
Residual[1]	106,028	.17
D. COUNTY TOTAL	637,972	1.0

[1] Residual is equal to the COUNTY TOTAL (row D, column [2]) minus the sum of the population accounted for by all specified subcounty areas.

$$RP = TPOP - \sum_{i=1}^{N} POP_i$$

where:
RP = Residual population not accounted for by specified subareas
TPOP = COUNTY TOTAL (row D, column [2])
POP_i = Population in each specified subcounty area i.

Table 3.2-4

Motor Vehicle Data Allocated to Subcounty Areas

A. County Fulton
B. Year 1975
C. Allocation Order 1

Subarea (1)	VMT (10^6 Vehicle-miles/yr) (2) LDG	(3) HDG	(4) HDD	Average Speed (mph) (5)
Atlanta	1274.6	101	.1536	
Fairburn	12.8	1.022	.0016	
Hapeville	27.6	2.1900	.0033	
Roswell	23.9	1.8980	.0029	
Union City	14.7	1.1680	.0018	
East Point	125.2	9.9280	.0151	
College Park	49.7	3.9420	.0060	
SUBAREA TOTAL	1528.5	121.1	.1843	
Residual	405.6	32.2	.0488	
D. COUNTY TOTAL	1934.1	153.3	.2331	

Table 3.2-5
Motor Vehicle Emissions Allocated
to Subcounty Areas

A. **County** Fulton

B. **Year** 1975

C. **Allocation Order** 1

Emissions
(~~10^6 tons/yr~~) ÷ (10^6 grams/yr)

Subarea	Part.			SO_x			Speed Correction Factor CO (8)	CO			Speed Correction Factor HC (12)	HC(exhaust)			HC(evap.) (16)	Speed Correction Factor NO_x (17)	NO_x		
(1)	(2) LDG	(3) HDG	(4) HDD	(5) LDG	(6) HDG	(7) HDD		(9) LDG	(10) HDG	(11) HDD		(13) LDG	(14) HDG	(15) HDD			(18) LDG	(19) HDG	(20) HDD
Atlanta	433	65	.1843	166	26	.3686	1.0	56E3	14E3	3.133									
Fairburn	4.35	.6643	.0019	1.664	.2657	.0038	1.0	561.9	137.5	.0326									
Hapeville	9.38	1.42	.0039	3.59	.5694	.0079	1.0	1211	294	.0673									
Rosswell	5.71	1.23	.0035	3.11	.4935	.0070	1.0	1049	255	.0592									
Union City	4.99	.7592	.0022	1.91	.3036	.0043	1.0	645	157	.0367									
East Point	42.56	6.45	.0181	16.28	2.58	.0317	1.0	5496	1336	.3080									
College Park	16.89	2.56	.0072	6.46	1.02	.0144	1.0	2181	530	.1224									
SUBAREA TOTAL	519.7	78.71	.2211	198.7	31.49	.4423	1.0	67E3	16E3	3.75									
Residual	137.9	20.93	.0585	52.72	8.37	.1172	1.0	17E3	4334	.9955									
D. COUNTY TOTAL	657.6	99.64	.2797	251.4	39.86	.5594	1.0	84E3	20E3	4.755									

NOTE: All emissions values are in millions of grams. Therefore, 120E3 is read 120 billion grams.

Table 3.2-11

Transportation Emissions Allocated to Subcounty Areas

A. County Fulton
B. Year 1975
C. Allocation Order I

	Emissions (tons/yr)				
(1) Subarea	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
Atlanta	549.3	212.1	77178.4		
Fairburn	5.5	2.1	771.1		
Hapeville	11.9	4.6	1659.4		
Rosswell	7.6	4.0	1437.8		
Union City	6.3	2.4	884.2		
East Point	54.0	20.8	7532.6		
College Park	21.5	8.3	2989.0		
SUBAREA TOTAL	660.0	254.2	91511.7		
Residual	175.2	67.5	23521.8		
D. COUNTY TOTAL	835.2	321.7	115033.5		

Table 3.2-1

Motor Vehicle Emission Factors

A. County Fulton
B. Year 1980
C. Allocation Order 1

(1) Vehicle Class	Emission Factors (grams/vehicle-mile) (2) Part.	(3) SO_x	(4) CO	(5) HC * (exhaust)	(6) HC * (evap.)	(7) NO_x*
LDG	.34	.13	13			
HDG	.65	.26	131.2			
HDD	1.2	2.4	20.4			

*These pollutants have been excluded from this analysis because they are to be treated on an AQCR basis.

Format for
Table 3.2-2c*

Limited Access Highway Data

A. County Fulton

B. Year 1980

C. Allocation Order 1

Identification Number (1)	Highway Segment				Length (mi) (4)	Annual Volume (10^6 vehicles/yr)			VMT (10^6 vehicle-miles/yr)			Speed[1] (mph) (11)
	(2) Begin		(3) End			(5)	(6)	(7)	(8)	(9)	(10)	
	x	y	x	y		LDG	HDG	HDD	LDG	HDG	HDD	
D. COUNTY TOTAL												

[1] If actual data are not available use design speed for highway segment in question.

*Statistical information for this table is presented in the following computer printout tabulation with corresponding table no.

Table 3.2-2c

VMT BY VEHICLE TYPE
YEAR: 1980

LDG (7)	HDG (8)	HDD (9)
5.166	0.386	0.119
39.944	2.981	0.921
12.557	0.937	0.290
20.513	1.531	0.473
71.828	5.361	1.656
49.017	3.659	1.130
27.915	2.084	0.643
16.229	1.212	0.374
10.443	0.779	0.241
22.513	0.000	0.519
16.471	1.230	0.380
9.595	0.000	0.223
8.637	6.447	0.199
8.757	0.000	0.202
23.660	1.766	0.545
35.357	2.638	0.815
14.715	1.099	0.339
31.631	2.360	0.729
28.265	2.041	0.618
10.264	0.766	0.237
48.863	3.648	1.127
28.511	2.129	0.657
29.679	2.215	0.684
20.837	1.555	0.480
24.178	1.806	0.557
17.023	1.271	0.392
16.670	1.245	0.384
14.707	1.099	0.339

VMT by Vehicle Type
Year: 1980

Table 3.2-2c (Continued)

LDG (7)	HDG (8)	HDD (9)
15.309	1.424	0.463
26.603	1.764	0.549
25.644	1.946	0.620
34.960	2.524	0.765
14.696	1.097	0.339
23.450	1.749	0.540
18.765	1.401	0.433
8.972	0.669	0.207
16.901	1.261	0.390
36.901	2.709	0.838
41.895	3.128	0.966
41.145	3.072	0.948
8.290	0.619	0.191
4.886	0.748	2.309
19.602	1.463	0.452
4.842	0.362	0.112
19.029	1.421	0.439
4.586	0.342	0.106
9.097	0.679	0.210
23.318	1.741	0.538
4.971	0.371	0.115
11.466	0.856	0.264
7.966	0.595	0.184
59.237	4.421	1.366
6.967	0.520	0.161
35.434	2.645	0.817
10.959	0.818	0.253
39.503	2.949	0.911
38.334	2.607	0.805
48.885	3.259	1.127

Table 3.2-2c (Continued)

LDG (7)	HDG (8)	HDD (9)
24.090	1.799	0.555
25.291	1.889	0.583
4.888	0.365	0.113
14.057	1.566	0.484
10.758	0.803	0.248
13.836	1.032	0.319
21.234	1.585	0.490
21.135	1.578	0.487
43.075	3.215	0.993
4.214	3.145	0.097
2.466	0.184	0.057
1.087	0.081	0.025
8.222	0.614	0.190

Table 3.2-3c*

Limited Access Highway Emissions

A. County Fulton
B. Year 1980
C. Allocation Order 1

	Emissions (10^6 tons/yr)																		
Highway Segment Sequence Identification (1)	Part.			SO_x			Speed Correction Factor CO (8)	CO			Speed Correction Factor HC (12)	HC(exhaust)			HC(evap.) (16)	Speed Correction Factor NO_x (17)	NO_x		
	(2) LDG	(3) HDG	(4) HDD	(5) LDG	(6) HDG	(7) HDD		(9) LDG	(10) HDG	(11) HDD		(13) LDG	(14) HDG	(15) HDD			(18) LDG	(19) HDG	(20) HDD
D. COUNTY TOTAL																			

*Statistical information for this table is presented in the following computer printout tabulation with corresponding table no.

Table 3.2-3c

1980 EMISSIONS IN TONS/YR

Part.			SO_x			CO		
LDG (2)	HDG (3)	HDD (4)	LDG (5)	HDG (6)	HDD (7)	LDG (9)	HDG (10)	HDD (11)
1.937	0.276	0.158	0.741	0.111	0.315	37.040	27.905	1.340
14.980	2.137	1.219	5.728	0.855	2.437	286.375	215.707	10.358
4.709	0.672	0.383	1.801	0.269	0.766	90.031	67.823	3.257
7.694	1.098	0.626	2.942	0.439	1.252	147.100	110.805	5.321
26.937	3.844	2.192	10.299	1.538	4.384	514.970	387.938	18.630
18.382	2.623	1.496	7.029	1.049	2.992	351.428	264.768	12.714
10.469	1.494	0.852	4.003	0.598	1.703	200.139	150.772	7.239
6.086	0.869	0.495	2.327	0.347	0.990	116.352	87.671	4.209
3.916	0.559	0.319	1.497	0.224	0.637	74.870	56.400	2.709
8.443	0.000	0.687	3.228	0.000	1.374	161.407	0.000	5.838
6.177	0.882	0.503	2.362	0.353	1.005	118.091	89.027	4.273
3.711	0.000	0.302	1.419	0.000	0.604	70.942	0.000	2.566
3.239	4.622	0.264	1.238	1.349	0.527	61.923	466.515	2.240
3.284	0.000	0.267	1.256	0.000	0.534	62.784	0.000	2.271
8.873	1.266	0.722	3.393	0.507	1.444	169.628	127.797	6.135
13.260	1.892	1.079	5.070	0.757	2.157	253.493	190.998	9.168
5.520	0.788	0.449	2.110	0.315	0.898	105.523	79.494	3.817
11.862	1.692	0.965	4.536	0.677	1.930	226.776	170.795	8.204
10.601	1.463	0.819	4.053	0.585	1.637	202.668	147.661	6.957
3.849	0.549	0.313	1.472	0.220	0.626	73.590	55.427	2.662
18.325	2.616	1.491	7.006	1.046	2.983	350.322	263.970	12.677
10.692	1.526	0.870	4.083	0.611	1.740	204.407	154.042	7.395
11.130	1.588	0.905	4.256	0.635	1.811	212.786	160.265	7.695
7.814	1.115	0.636	2.988	0.446	1.272	149.393	112.480	5.404
9.067	1.295	0.738	3.467	0.516	1.475	173.343	130.669	6.270
6.384	0.911	0.519	2.441	0.365	1.039	122.044	91.979	4.416
6.252	0.892	0.509	2.390	0.357	1.017	119.514	90.064	4.324

1980 Emissions in Tons/Yr

Table 3.2-3c (Continued)

Part.			SOx			CO		
LDG (2)	HDG (3)	HDD (4)	LDG (5)	HDG (6)	HDD (7)	LDG (9)	HDG (10)	HDD (11)
5.516	0.788	0.449	2.109	0.315	0.898	105.444	79.486	3.817
5.966	1.021	0.613	2.281	0.408	1.225	114.060	103.067	5.207
9.977	1.265	0.727	3.815	0.506	1.455	190.733	127.637	6.182
9.617	1.395	0.821	3.677	0.558	1.643	183.856	140.800	6.981
13.111	1.809	1.012	5.013	0.724	2.025	250.648	182.601	8.605
5.511	0.787	0.448	2.107	0.315	0.897	105.365	79.390	3.812
8.794	1.254	0.715	3.363	0.501	1.430	168.126	126.521	6.079
7.037	1.005	0.572	2.691	0.402	1.145	134.532	101.392	4.866
3.365	0.480	0.274	1.287	0.192	0.547	64.326	48.439	2.326
6.338	0.904	0.516	2.423	0.362	1.031	121.174	91.261	4.383
13.838	1.942	1.070	5.291	0.777	2.139	264.559	196.003	9.092
15.711	2.242	1.278	6.007	0.897	2.557	300.366	226.317	10.866
15.430	2.202	1.255	5.900	0.881	2.511	294.991	222.249	10.671
3.109	0.444	0.253	1.189	0.178	0.506	59.433	44.809	2.150
1.832	0.536	3.056	0.701	0.214	6.111	35.032	54.094	25.974
7.351	1.049	0.598	2.811	0.420	1.196	140.540	105.859	5.084
1.816	0.259	0.148	0.694	0.104	0.296	34.716	26.158	1.257
7.136	1.019	0.581	2.729	0.408	1.162	136.429	102.828	4.937
1.720	0.246	0.140	0.658	0.098	0.280	32.882	24.778	1.190
3.411	0.487	0.278	1.304	0.195	0.555	65.219	49.108	2.359
8.745	1.248	0.712	3.344	0.499	1.423	167.173	125.962	6.048
1.864	0.266	0.152	0.713	0.106	0.304	35.641	26.852	1.290
4.300	0.614	0.350	1.644	0.245	0.700	82.205	61.936	2.974
2.987	0.426	0.243	1.142	0.171	0.486	57.109	43.022	2.065
22.215	3.170	1.808	8.494	1.268	3.616	424.702	319.891	15.368
2.613	0.373	0.213	0.999	0.149	0.425	49.948	37.623	1.807
13.289	1.896	1.081	5.081	0.759	2.162	254.047	191.376	9.189
4.110	0.587	0.334	1.571	0.235	0.669	78.569	59.192	2.842
14.814	2.114	1.205	5.664	0.846	2.411	283.214	213.394	10.246
14.376	1.869	1.066	5.497	0.748	2.131	274.835	188.664	9.057

1980 Emissions in Tons/Yr

Table 3.2-3c (Continued)

Part.			SO_x			CO		
LDG (2)	HDG (3)	HDD (4)	LDG (5)	HDG (6)	HDD (7)	LDG (9)	HDG (10)	HDD (11)
18.333	2.337	1.491	7.010	0.935	2.983	350.490	235.810	12.677
9.034	1.290	0.735	3.454	0.516	1.470	172.711	130.190	6.249
9.485	1.354	0.772	3.627	0.542	1.544	181.326	136.652	6.560
1.833	0.262	0.149	0.701	0.105	0.298	35.048	26.405	1.268
5.272	1.122	0.640	2.016	0.449	1.280	100.781	113.278	5.442
4.035	0.576	0.328	1.543	0.230	0.656	77.131	58.099	2.790
5.189	0.740	0.422	1.984	0.296	0.844	99.200	74.692	3.588
7.963	1.137	0.648	3.045	0.455	1.296	152.238	114.714	5.507
7.926	1.131	0.645	3.031	0.452	1.290	151.527	114.156	5.481
16.154	2.305	1.314	6.176	0.922	2.628	308.824	232.619	11.170
1.580	2.255	0.129	0.604	0.902	0.257	30.211	227.593	1.093
0.925	0.132	0.075	0.354	0.053	0.150	17.682	13.322	0.639
0.408	0.058	0.033	0.156	0.023	0.066	7.791	5.871	0.282
3.084	0.440	0.251	1.179	0.176	0.502	58.951	44.402	2.132

Table 3.1-1

Population-Based Allocation Proportions for Subcounty Areas

A. County **Fulton**
B. Year 1980
C. Allocation Order 1

(1) Subareas	(2) Population	(3) Allocation Proportion
Atlanta	422,915	.631
Fairburn	6,839	.010
Hapeville	10,021	.015
Rosswell	14,682	.022
Union City	12,733	.019
East Point	48,226	.072
College Park	24,565	.037
SUBAREA TOTAL	539,981	.8060
Residual[1]	129,964	.194
D. COUNTY TOTAL	669,945	1.0

[1] Residual is equal to the COUNTY TOTAL (row D, column [2]) minus the sum of the population accounted for by all specified subcounty areas.

$$RP = TPOP - \sum_{i=1}^{N} POP_i$$

where:
RP = Residual population not accounted for by specified subareas
TPOP = COUNTY TOTAL (row D, column [2])
POP_i = Population in each specified subcounty area i.

Table 3.2-4

Motor Vehicle Data Allocated to Subcounty Areas

A. County Fulton
B. Year 1980
C. Allocation Order 1

Subarea (1)	VMT (10^6 Vehicle-miles/yr)			Average Speed (mph) (5)
	(2) LDG	(3) HDG	(4) HDD	
Atlanta	1220.4	96.7	.1471	
Fairburn	19.3	1.5	.0023	
Hapeville	29	2.3	.0035	
Roswell	42.5	3.4	.0051	
Union City	36.7	2.9	.0044	
East Point	139.2	11	.0168	
College Park	71.5	5.6	.0086	
SUBAREA TOTAL	1558.6	123.4	.1878	
Residual	472.2	37.6	.0570	
D. COUNTY TOTAL	2030.8	161	.2448	

Table 3.2-5
Motor Vehicle Emissions Allocated to Subcounty Areas

A. County Fulton
B. Year 1980
C. Allocation Order 1

Emissions
(~~10^6 tons/yr~~) • (10^6 grams/yr)

Subarea	Part.			SO_x			Speed Correction Factor CO	CO			Speed Correction Factor HC	HC(exhaust)			HC(evap.)	Speed Correction Factor NO_x	NO_x		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
	LDG	HDG	HDD	LDG	HDG	HDD		LDG	HDG	HDD		LDG	HDG	HDD			LDG	HDG	HDD
Atlanta	415	62.5	.176	158	25.1	.353	1.0	16E3	13E3	3.00									
Fairburn	6.56	.975	.0028	2.51	.390	.0055	1.0	250	196.8	.0469									
Hapeville	3.86	1.49	.0042	3.77	.598	.0084	1.0	377	301.7	.0714									
Rosswell	14.45	2.21	.0061	5.52	.884	.0122	1.0	552	446	.1040									
Union City	12.47	1.88	.0053	4.77	.754	.0105	1.0	477	380	.0898									
East Point	47.3	7.15	.0207	18.09	2.86	.0403	1.0	1809	1443	.3427									
College Park	24.3	3.64	.0103	9.30	1.45	.0264	1.0	929	734	.1754									
SUBAREA TOTAL	529.9	80.21	.2253	202.62	32.08	.4507	1.0	20E3	16E3	3.831									
Residual	160.5	24.44	.0684	61.38	9.78	.1368	1.0	6139	4933	1.162									
D. COUNTY TOTAL	690.4	104.65	.2937	264.00	41.86	.5875	1.0	26E3	21E3	4.993									

NOTE: All emissions values are in millions of grams. Therefore, 120E3 is read 120 billion grams.

Table 3.2-11

Transportation Emissions
Allocated to Subcounty Areas

A. County Fulton
B. Year 1980
C. Allocation Order I

(1) Subarea	Emissions (tons/yr) (2) Part.	(3) SO$_x$	(4) CO	(5) HC	(6) NO$_x$
Atlanta	527.0	202.2	31975.8		
Fairburn	8.3	3.2	492.6		
Hapeville	12.6	4.9	748.4		
Rosswell	18.4	7.1	1100.4		
Union City	15.9	6.1	945.0		
East Point	60.1	23.2	3585.7		
College Park	30.9	11.9	1833.7		
SUBAREA TOTAL	672.8	259.3	40681.5		
Residual	204.0	78.6	12208.2		
D. COUNTY TOTAL	876.8	337.9	52889.7		

Table 3.2-1

Motor Vehicle Emission Factors

A. County **Fulton**
B. Year 1985
C. Allocation Order 1

(1) Vehicle Class	Emission Factors (grams/vehicle-mile)					
	(2) Part.	(3) SO_x	(4) CO	(5) HC * (exhaust)	(6) HC * (evap.)	(7) NO_x^*
LDG	.34	.13	5.8			
HDG	.65	.26	130			
HDD	1.2	2.4	20.4			

*These pollutants have been excluded from this analysis because they are to be treated on an AQCR basis.

Format for
Table 3.2-2d*

Limited Access Highway Data

A. County Fulton

B. Year 1985

C. Allocation Order 1

Identification Number (1)	Highway Segment				Length (mi) (4)	Annual Volume (10^6 vehicles/yr)			VMT (10^6 vehicle-miles/yr)			Speed[1] (mph) (11)
	(2) Begin		(3) End			(5)	(6)	(7)	(8)	(9)	(10)	
	x	y	x	y		LDG	HDG	HDD	LDG	HDG	HDD	
D. COUNTY TOTAL												

---

[1] If actual data are not available use design speed for highway segment in question.

*Statistical information for this table is presented in the following computer printout tabulation with corresponding table no.

VMT BY VEHICLE TYPE
YEAR: 1985

Table 3.2-2d (Continued)

LDG (7)	HDG (8)	HDD (9)
5.838	0.436	0.135
45.136	3.369	1.040
14.190	1.059	0.327
23.185	1.730	0.534
81.165	6.058	1.871
55.389	4.135	1.277
31.544	2.355	0.727
18.339	1.369	0.423
11.800	0.881	0.272
25.440	0.000	0.586
18.613	1.390	0.429
11.181	0.000	0.258
9.760	7.286	0.225
9.896	0.000	0.228
26.735	1.996	0.616
39.954	2.981	0.921
16.632	1.241	0.383
35.743	2.667	0.824
31.943	2.306	0.699
11.599	0.866	0.267
55.215	4.122	1.273
32.217	2.406	0.743
33.538	2.503	0.773
23.546	1.757	0.543
27.321	2.041	0.630
19.236	1.436	0.444
18.837	1.407	0.434
16.619	1.241	0.383

VMT by Vehicle Type
Year: 1985

Table 3.2-2d (Continued)

LDG (7)	HDG (8)	HDD (9)
17.977	1.610	0.523
30.062	1.993	0.621
28.978	2.199	0.701
39.505	2.852	0.864
16.607	1.240	0.383
26.499	1.976	0.611
21.204	1.583	0.489
10.139	0.756	0.234
19.098	1.425	0.440
41.698	3.061	0.913
47.341	3.534	1.091
46.494	3.471	1.072
9.367	0.700	0.216
5.521	0.845	2.609
22.151	1.653	0.511
5.472	0.409	0.126
21.503	1.606	0.496
5.183	0.387	0.119
10.279	0.767	0.237
26.349	1.967	0.607
5.617	0.419	0.130
12.957	0.967	0.299
9.001	0.672	0.207
66.938	4.996	1.544
7.872	0.588	0.182
40.041	2.989	0.923
12.384	0.924	0.285
44.632	3.333	1.029
43.317	2.946	0.910
55.240	3.683	1.273

VMT by Vehicle Type
Year: 1985

Table 3.2-2d (Continued)

LDG (7)	HDG (8)	HDD (9)
27.221	2.033	0.628
28.579	2.134	0.659
5.524	0.412	0.127
15.834	1.769	0.547
12.157	0.907	0.280
15.635	1.166	0.360
23.995	1.791	0.553
23.882	1.783	0.551
48.674	3.633	1.122
4.762	3.554	0.110
2.737	0.208	0.064
1.228	0.092	0.028
9.291	0.693	0.214

Table 3.2-3d*

Limited Access Highway Emissions

A. County Fulton

B. Year 1985

C. Allocation Order 1

	Emissions (10^6 tons/yr)																		
Highway Segment Sequence Identification (1)	Part.			SO_x			Speed Correction Factor CO (8)	CO			Speed Correction Factor HC (12)	HC(exhaust)			HC(evap.) (16)	Speed Correction Factor NO_x (17)	NO_x		
	(2)	(3)	(4)	(5)	(6)	(7)		(9)	(10)	(11)		(13)	(14)	(15)			(18)	(19)	(20)
	LDG	HDG	HDD	LDG	HDG	HDD		LDG	HDG	HDD		LDG	HDG	HDD			LDG	HDG	HDD
D. COUNTY TOTAL																			

*Statistical information for this table is presented in the following computer printout tabulation with corresponding table no.

1985 EMISSIONS IN TONS/YR

Table 3.2-3d

Part. LDG (2)	 HDG (3)	 HDD (4)	SO_x LDG (5)	 HDG (6)	 HDD (7)	CO LDG (9)	 HDG (10)	 HDD (11)
2.189	0.312	0.178	0.837	0.125	0.356	18.674	31.244	1.514
16.927	2.415	1.377	6.472	0.966	2.754	144.377	241.520	11.705
5.322	0.759	0.433	2.035	0.304	0.866	45.389	75.939	3.681
8.695	1.241	0.707	3.324	0.496	1.415	74.161	124.065	6.013
30.439	4.344	2.477	11.638	1.737	4.954	259.624	434.360	21.052
20.772	2.965	1.690	7.942	1.186	3.380	177.174	296.451	14.367
11.830	1.688	0.962	4.523	0.675	1.925	100.901	168.814	8.180
6.877	0.982	0.559	2.630	0.393	1.119	58.660	98.162	4.756
4.425	0.631	0.360	1.692	0.253	0.720	37.746	63.149	3.061
9.540	0.000	0.776	3.648	0.000	1.552	81.374	0.000	6.597
6.980	0.997	0.568	2.669	0.399	1.136	59.536	99.680	4.829
4.193	0.000	0.341	1.603	0.000	0.682	35.766	0.000	2.900
3.660	5.223	0.298	1.399	2.089	0.596	31.219	522.340	2.531
3.711	0.000	0.302	1.419	0.000	0.604	31.653	0.000	2.566
10.026	1.431	0.816	3.834	0.572	1.631	85.519	143.090	6.932
14.983	2.137	1.219	5.729	0.855	2.438	127.800	213.741	10.359
6.237	0.890	0.507	2.385	0.356	1.015	53.200	89.007	4.313
13.404	1.912	1.091	5.125	0.765	2.181	114.330	191.233	9.270
11.979	1.653	0.925	4.580	0.661	1.850	102.176	165.330	7.862
4.350	0.621	0.354	1.663	0.248	0.708	37.101	62.059	3.008
20.707	2.956	1.685	7.917	1.182	3.371	176.616	295.558	14.325
12.082	1.725	0.983	4.620	0.690	1.966	103.053	172.476	8.357
12.577	1.794	1.023	4.809	0.718	2.046	107.277	179.443	8.696
8.830	1.259	0.718	3.376	0.504	1.437	75.317	125.940	6.107
10.246	1.463	0.834	3.918	0.585	1.667	87.391	146.305	7.085
7.214	1.030	0.587	2.758	0.412	1.174	61.529	102.985	4.990
7.064	1.008	0.575	2.701	0.403	1.150	60.254	100.842	4.886

1985 Emissions in Tons/Yr

Table 3.2-3d (Continued)

Part.			SO_x			CO		
LDG (2)	HDG (3)	HDD (4)	LDG (5)	HDG (6)	HDD (7)	LDG (9)	HDD (10)	LDG (11)
6.233	0.890	0.507	2.383	0.356	1.015	53.160	88.998	4.313
6.742	1.154	0.692	2.578	0.462	1.384	57.504	115.401	5.564
11.274	1.429	0.822	4.311	0.572	1.644	96.159	142.911	6.986
10.867	1.576	0.923	4.155	0.631	1.558	92.692	157.649	7.888
14.815	2.045	1.144	5.665	0.818	2.288	126.365	204.452	9.723
6.225	0.889	0.507	2.381	0.356	1.013	53.120	88.891	4.307
9.938	1.417	0.808	3.800	0.567	1.616	84.761	141.661	6.869
7.952	1.135	0.647	3.040	0.454	1.294	67.825	113.525	5.499
3.802	0.542	0.309	1.454	0.217	0.618	32.430	54.235	2.628
7.162	1.022	0.583	2.739	0.409	1.165	61.090	102.131	4.953
15.637	2.195	1.209	5.979	0.878	2.417	133.379	219.458	10.274
17.754	2.534	1.445	6.788	1.014	2.889	151.431	253.399	12.278
17.436	2.488	1.419	6.667	0.995	2.837	148.721	248.844	12.058
3.513	0.502	0.286	1.343	0.201	0.572	29.963	50.171	2.429
2.071	0.606	3.453	0.792	0.242	6.306	17.662	60.568	29.350
8.307	1.185	0.676	3.176	0.474	1.352	70.854	118.527	5.745
2.052	0.293	0.167	0.785	0.117	0.334	17.502	29.288	1.420
8.064	1.151	0.656	3.083	0.461	1.313	68.781	115.133	5.578
1.944	0.277	0.158	0.743	0.111	0.316	16.578	27.743	1.344
3.855	0.550	0.314	1.474	0.220	0.627	32.880	54.385	2.666
9.881	1.410	0.804	3.778	0.564	1.608	84.283	141.035	6.834
2.107	0.301	0.171	0.805	0.120	0.343	17.968	30.065	1.458
4.859	0.693	0.395	1.858	0.277	0.791	41.444	69.348	3.361
3.376	0.482	0.275	1.291	0.193	0.549	28.792	48.170	2.334
25.103	3.582	2.043	9.598	1.433	4.086	214.115	358.171	17.366
2.952	0.421	0.240	1.129	0.169	0.481	25.181	42.132	2.042
15.016	2.143	1.222	5.741	0.857	2.443	128.079	214.277	10.383
4.644	0.663	0.378	1.776	0.265	0.756	39.611	66.275	3.211
16.740	2.389	1.362	6.401	0.956	2.724	142.783	238.929	11.577
16.245	2.112	1.204	6.211	0.845	2.408	138.559	211.240	10.235

1985 Emissions in Tons/Yr

Table 3.2-3d (Continued)

Part.			SOx			CO		
LDG (2)	HDG (3)	HDD (4)	LDG (5)	HDG (6)	HDD (7)	LDG (9)	HDG (10)	HDD (11)
20.716	2.640	1.685	7.921	1.056	3.371	176.696	264.028	14.325
10.209	1.458	0.831	3.903	0.583	1.662	87.073	145.769	7.061
10.718	1.530	0.872	4.098	0.612	1.744	91.416	153.004	7.413
2.072	0.296	0.169	0.792	0.118	0.337	17.670	29.565	1.432
5.957	1.268	0.723	2.278	0.507	1.447	50.809	126.834	6.149
4.559	0.651	0.371	1.743	0.260	0.742	38.836	65.051	3.152
5.863	0.836	0.477	2.242	0.335	0.954	50.012	83.630	4.055
8.998	1.284	0.732	3.441	0.514	1.464	76.751	128.441	6.223
8.956	1.278	0.729	3.425	0.511	1.457	76.393	127.816	6.194
18.254	2.605	1.485	6.979	1.042	2.970	155.695	260.455	12.622
1.786	2.548	0.145	0.683	1.019	0.291	15.231	254.828	1.235
1.045	0.149	0.085	0.400	0.060	0.170	8.914	14.916	0.722
0.461	0.066	0.037	0.176	0.026	0.075	3.928	6.574	0.318
3.484	0.497	0.283	1.332	0.199	0.567	29.720	49.715	2.409

Table 3.1-1

Population-Based Allocation Proportions for Subcounty Areas

A. County Fulton
B. Year 1985
C. Allocation Order 1

(1) Subareas	(2) Population	(3) Allocation Proportion
Atlanta	439,832	.581
Fairburn	9,096	.012
Hapeville	9,821	.013
Rosswell	19,380	.026
Union City	16,298	.022
East Point	47,940	.063
College Park	26,039	.034
SUBAREA TOTAL	568,406	.751
Residual[1]	188,632	.249
D. COUNTY TOTAL	757,038	1.0

---

[1] Residual is equal to the COUNTY TOTAL (row D, column [2]) minus the sum of the population accounted for by all specified subcounty areas.

$$RP = TPOP - \sum_{i=1}^{N} POP_i$$

where:
RP = Residual population not accounted for by specified subareas
TPOP = COUNTY TOTAL (row D, column [2])
POP_i = Population in each specified subcounty area i.

Table 3.2-4

Motor Vehicle Data Allocated to Subcounty Areas

A. County Fulton
B. Year 1985
C. Allocation Order 1

Subarea (1)	VMT (10^6 Vehicle-miles/yr)			Average Speed (mph) (5)
	(2) LDG	(3) HDG	(4) HDD	
Atlanta	1179.8	93.5	.1422	
Fairburn	24.3	1.9	.0029	
Hapeville	26.4	2	.0032	
Roswell	52.8	4.1	.0064	
Union City	44.6	3.5	.0054	
East Point	127.9	10.1	.0154	
College Park	69	5.4	.0083	
SUBAREA TOTAL	1524.8	120.5	.1838	
Residual	770	61.5	.0928	
D. COUNTY TOTAL	2294.8	182	.2766	

Table 3.2-5
Motor Vehicle Emissions Allocated to Subcounty Areas

A. County Fulton
B. Year 1985
C. Allocation Order 1

Emissions ~~(10^6 tons/yr)~~ + (10^6 grams/yr)

Subarea	Part.			SO_x			Speed Correction Factor CO	CO			Speed Correction Factor HC	HC(exhaust)			HC(evap.)	Speed Correction Factor NO_x	NO_x		
(1)	(2) LDG	(3) HDG	(4) HDD	(5) LDG	(6) HDG	(7) HDD	(8)	(9) LDG	(10) HDG	(11) HDD	(12)	(13) LDG	(14) HDG	(15) HDD	(16)	(17)	(18) LDG	(19) HDG	(20) HDD
Atlanta	401.3	60.78	.1706	153.	24.31	.3413	1.0	6842	12E3	2.9									
Fairburn	8.26	1.24	.0034	3.15	.4940	.0069	1.0	140	247	.0591									
Hapeville	8.98	1.30	.0038	3.43	.52	.0077	1.0	153	260	.0652									
Rosswell	17.95	2.67	.0077	6.84	1.066	.0154	1.0	306	533	.1306									
Union City	15.16	2.28	.0065	5.79	.9100	.0129	1.0	258	455	.1102									
East Point	43.49	6.57	.0185	16.62	2.62	.0369	1.0	741	1313	.3142									
College Park	23.46	3.51	.0099	8.97	1.404	.0199	1.0	400	702	.1693									
SUBAREA TOTAL	518.43	78.33	.2206	198.	31.33	.4411	1.0	8843	15E3	3.749									
Residual	261.80	39.97	.1113	100.	15.99	.2227	1.0	4466	7995	1.893									
D. COUNTY TOTAL	780.23	118.30	.3319	298.	47.32	.6638	1.0	13E3	23E3	5.642									

NOTE: All emissions values are in millions of grams. Therefore, 120E3 is read 120 billion grams.

Table 3.2-11

Transportation Emissions
Allocated to Subcounty Areas

A. County Fulton
B. Year 1985
C. Allocation Order I

	Emissions (tons/yr)				
(1) Subarea	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
Atlanta	509.6	195.8	20776.5		
Fairburn	10.5	4.0	426.8		
Hapeville	11.4	4.4	455.4		
Rosswell	22.7	8.7	925.1		
Union City	19.2	7.4	786.2		
East Point	55.2	21.3	2264.9		
College Park	29.8	11.5	1215.2		
SUBAREA TOTAL	658.2	253.4	26850.1		
Residual	332.8	128.1	13740.3		
D. COUNTY TOTAL	991.0	381.5	40590.4		

B.2.3 Commercial/Institutional Fuel Combustion Emissions

ALLOCATION PROCEDURE

All Orders

Isolate point sources.

Order 1

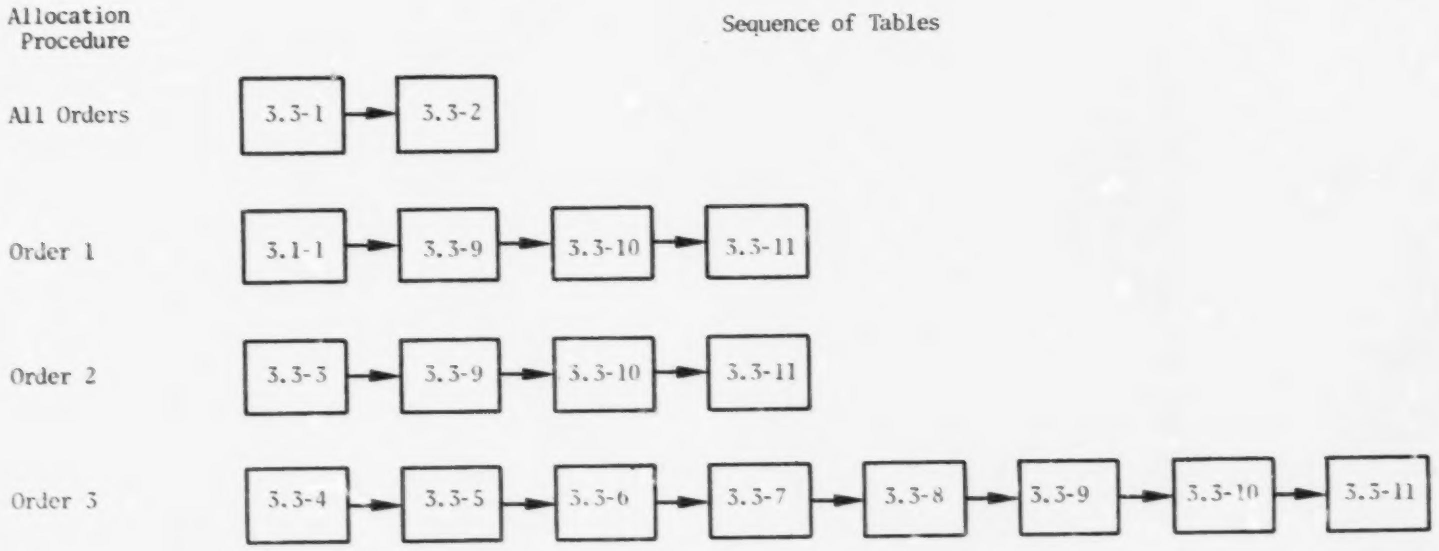
Allocate fuel use by population distribution.

Order 2

Allocate fuel use by employment distribution.

Order 3

Compute fuel use in each subarea.


Allocation Procedure
Sequence of Tables
All Orders
3.3-1
3.3-2
Order 1
3.1-1
3.3-9
3.3-10
3.3-11
Order 2
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3.3-9
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Order 3
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3.3-11

Fig. 3.3-1 Commercial/Institutional Fuel Combustion Allocation Table Sequence

ASSUMPTIONS AND LIMITATIONS OF THE EXAMPLE FOR COMMERCIAL/INSTITUTIONAL EMISSIONS

A. Fulton County is made up of ten superdistricts as defined by the Atlanta Regional Commission Data Center. The following six superdistricts comprise Atlanta: #10, Central Business District, #11, Northeast, #12, Northwest, #13, Southeast; #14, Southwest and #17, Buckhead. The remaining four superdistricts (#15, Tri-Cities (East Point, Hapeville & College Park), #16, South Fulton, #18, Sandy Springs and #19, North Fulton) make up the remainder of Fulton County.

B. The percentage of commercial/institutional employees is obtained by adding up the wholesale and retail trade, services, and educational services employee columns in the 1972 County and City Data Book.

C. The percentage of construction employees in the Tri-Cities superdistrict is the same as the percentage of construction employees in the East Point superdistrict. The East Point percentage of construction employees is obtained from the 1972 County and City Data Book.

D. The percentage of commercial/institutional employees in the Tri-Cities superdistrict is the same as the percentage of commercial/institutional employees in East Point superdistrict. The East Point percentage of commercial/institutional employees is obtained from the 1972 County and City Data Book.

E. The percentage of construction and commercial/institutional employees shown in the 1972 County and City Data Book for Atlanta, East Point, and Fulton County remain constant throughout the forecast years.

F. The total employment for each superdistrict in Fulton County is derived by taking the total employment minus the construction figures from the Atlanta Regional Commission and dividing it by 1.0 minus the percentage (in decimal form) of construction employees.

G. The number of commercial/institutional employees is derived by multiplying the result obtained from assumption "F" (total employees) by the percentage of commercial/institutional employees.

H. Since no construction or commercial/institutional employment data are available for superdistricts #16, #18 or #19, these three superdistricts are assumed to equal the residual difference between the Fulton County totals and the sum of Atlanta (superdistricts #10, #11, #13 and #14 and #17) and the Tri-Cities (superdistrict #15).

Table 3.3-3

Commercial/Institutional Employment-Based Allocation Proportions for Subcounty Areas

A. County Fulton
B. Year 1970
C. Allocation Order 2

(1) Subarea	(2) Commercial/ Institutional Employment	(3) Allocation Proportion
10 - CBD	41,877	.247
11 - Northeast	37,957	.224
12 - Northwest	21,211	.125
13 - Southeast	18,619	.110
14 - Southwest	14,800	.087
15 - Tri-Cities	16,511	.097
17 - Buckhead	13,798	.081
SUBAREA TOTAL	164,773	.971
Residual	4,858	.029
D. COUNTY TOTAL	169,631	1.0

Table 3.3-9

Commercial/Institutional Fuel Use Allocated to Subcounty Areas

A. County Fulton
B. Year 1970
C. Allocation Order 2

(1) Subarea	Annual Fuel Use					
	Coal (tons/yr)			Oil (10^3 gal/yr)		Natural Gas (10^6 ft^3/yr)
	(2) Anthracite	(3) Bituminous	(4) Lignite	(5) Distillate	(6) Residual	(7)
10 - CBD		1976		934		3,211
11 - Northeast		1792		847		2,912
12 - Northwest		1000		472		1,625
13 - Southeast		880		416		1,430
14 - Southwest		696		329		1,131
15 - Tri-Cities		776		366		1,261
17 - Buckhead		648		306		1,053
SUBAREA TOTAL		7768		3670		12,623
Residual		232		110		377
D. ACTUAL COUNTY TOTAL		8000		3780		13,000
E. COMPUTED COUNTY TOTAL[1]						

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[1] This row will be used only in cases where an Order 3 allocation procedure is being followed.

Table 3.3-10

Commercial/Institutional Fuel Combustion Emission Factors

A. County Fulton
B. Year 1970
C. Allocation orders 2

	(1)	Emission Factors				
		(2) Part.	(3) SO_x	(4) CO	(5) HC *	(6) NO_x *
Coal	Anthracite					
	Bituminous	14.6 lb/ton	64.6 lb/ton	10 lb/ton		
	Lignite					
Oil	Distillate	15 lb/10^3 gal	30.24 lb/10^3 gal	4 lb/10^3 gl		
	Residual					
Natural Gas		19 lb/10^6 ft^3	0.6 lb/10^6 ft^3	20 lb/$10^6 ft^3$		

*These pollutants have been excluded from this analysis because they are to be treated on an AQCR basis.

Table 3.3-11
Commercial/Institutional Fuel Combustion Emissions Allocated to Sub-County Areas

A. County Fulton
B. Year 1970
C. Allocation Order 2

	Emissions (tons/yr)				
(1) Subarea	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
10 - CBD	51.93	78.91	43.86		
11 - Northeast	47.10	71.56	39.77		
12 - Northwest	26.28	39.92	22.19		
13 - Southeast	23.13	35.14	19.53		
14 - Southwest	18.29	27.80	15.45		
15 - Tri-Cities	20.39	30.98	17.23		
17 - Buckhead	17.03	25.87	14.38		
SUBAREA TOTAL	204.15	310.18	172.41		
Residual	6.10	9.27	5.15		
D. COUNTY TOTAL	210.25	319.45	177.56		

Table 3.3-3

Commercial/Institutional Employment-Based Allocation Proportions for Subcounty Areas

A. County Fulton
B. Year 1975
C. Allocation Order 2

(1) Subarea	(2) Commercial/ Institutional Employment	(3) Allocation Proportion
10 - CBD	45,091	.241
11 - Northeast	38,150	.203
12 - Northwest	23,736	.127
13 - Southeast	19,641	.105
14 - Southwest	16,064	.086
15 - Tri-Cities	18,151	.097
17 - Buckhead	15,801	.084
SUBAREA TOTAL	176,634	.943
Residual	10,664	.057
D. COUNTY TOTAL	187,298	1.0

Table 3.3-9

Commercial/Institutional Fuel Use Allocated to Subcounty Areas

A. County Fulton
B. Year 1975
C. Allocation Order 2

(1) Subarea	Annual Fuel Use					
	Coal (tons/yr)			Oil (10^3 gal/yr)		Natural Gas (10^6 ft^3/yr)
	(2) Anthracite	(3) Bituminous	(4) Lignite	(5) Distillate	(6) Residual	(7)
10 - CBD		2129		1006		3,459
11 - Northeast		1793		847		2,914
12 - Northwest		1122		530		1,823
13 - Southeast		927		438		1,507
14 - Southwest		760		359		1,234
15 - Tri-Cities		857		405		1,393
17 - Buckhead		742		351		1,206
SUBAREA TOTAL		8330		3936		13,536
Residual		503		238		818
D. ACTUAL COUNTY TOTAL		8833		4174		14,354
E. COMPUTED COUNTY TOTAL[1]						

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[1] This row will be used only in cases where an Order 3 allocation procedure is being followed.

Table 3.3-10

Commercial/Institutional Fuel Combustion Emission Factors

A. County Fulton
B. Year 1975
C. Allocation orders 2

(1)		Emission Factors (2) Part.	(3) SO_x	(4) CO	(5) HC *	(6) NO_x*
Coal	Anthracite					
	Bituminous	14.6 lb/ton	64.6 lb/ton	10 lb/ton		
	Lignite					
Oil	Distillate	15 $lb/10^3$ gal	30.24 $lb/10^3$ gal	4 $lb/10^3$ gl		
	Residual					
Natural Gas		19 $lb/10^6\ ft^3$	0.6 $lb/10^6\ ft^3$	20 $lb/10^6 ft^3$		

*These pollutants have been excluded from this analysis because they are to be treated on an AQCR basis.

Table 3.3-11
Commercial/Institutional Fuel Combustion Emissions Allocated to Sub-County Areas

A. County Fulton
B. Year 1975
C. Allocation Order 2

(1) Subarea	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
10 - CBD	55.95	85.02	47.25		
11 - Northeast	47.12	71.59	39.80		
12 - Northwest	29.48	44.80	24.90		
13 - Southeast	24.37	37.02	20.58		
14 - Southwest	19.96	30.35	16.86		
15 - Tri-Cities	22.53	34.22	19.02		
17 - Buckhead	19.51	29.63	16.47		
SUBAREA TOTAL	218.92	332.63	184.88		
Residual	13.23	20.09	11.17		
D. COUNTY TOTAL	232.15	352.72	196.05		

Table 3.3-3

Commercial/Institutional Employment-Based Allocation Proportions for Subcounty Areas

A. County Fulton
B. Year 1980
C. Allocation Order 2

(1) Subarea	(2) Commercial/ Institutional Employment	(3) Allocation Proportion
10 - CBD	48,305	.236
11 - Northeast	38,342	.187
12 - Northwest	26,261	.128
13 - Southeast	20,663	.101
14 - Southwest	17,329	.085
15 - Tri-Cities	19,790	.096
17 - Buckhead	17,804	.087
SUBAREA TOTAL	188,494	.920
Residual	16,470	.080
D. COUNTY TOTAL	204,964	1.0

[illegible] 3.3-9

Commercial/Institutional Fuel Use Allocated to Subcounty Areas

A. County Fulton
B. Year 1980
C. Allocation Tier 2

(1) Subarea	Annual Fuel Use: Coal (tons/yr): (2) Anthracite	(3) Bituminous	(4) Lignite	Oil (10^3 gal/yr): (5) Distillate	(6) Residual	(7) Natural Gas (10^6 ft^3/yr)
10 - CBD		2281		1078		3,707
11 - Northeast		1808		854		2,937
12 - Northwest		1237		585		2,011
13 - Southeast		976		461		1,586
14 - Southwest		822		388		1,335
15 - Tri-Cities		928		439		1,508
17 - Buckhead		841		397		1,367
Subarea Total		8893		4202		14,451
Residual		773		365		1,257
D. Actual County Total		9666		4567		15,708
E. Calculated County Total[1]						

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[1] This row will be used only in cases where an Order 3 allocation procedure is being followed.

Table 3.3-10

Commercial/Institutional Fuel Combustion Emission Factors

A. County Fulton
B. Year 1980
C. Allocation orders 2

(1)		Emission Factors				
		(2) Part.	(3) SO_x	(4) CO	(5) HC*	(6) NO_x *
Coal	Anthracite					
	Bituminous	14.6 lb/ton	64.6 lb/ton	10 lb/ton		
	Lignite					
Oil	Distillate	15 lb/10^3 gal	30.24 lb/10^3 gal	4 lb/10^3 gl		
	Residual					
Natural Gas		19 lb/10^6 ft^3	0.6 lb/10^6 ft^3	20 lb/$10^6 ft^3$		

*These pollutants have been excluded from this analysis because they are to be treated on an AQCR basis.

Table 3.3-11
Commercial/Institutional Fuel Combustion Emissions Allocated to Sub-County Areas

A. County Fulton
B. Year 1980
C. Allocation Order 2

(1) Subarea	Emissions (tons/yr) (2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
10 - CBD	59.95	91.09	50.63		
11 - Northeast	47.51	72.19	40.12		
12 - Northwest	32.52	49.40	27.47		
13 - Southeast	25.65	38.97	21.66		
14 - Southwest	21.59	32.82	18.23		
15 - Tri-Cities	24.39	37.06	20.60		
17 - Buckhead	22.11	33.58	18.67		
SUBAREA TOTAL	233.72	355.11	197.38		
Residual	20.32	30.87	17.16		
D. COUNTY TOTAL	254.04	385.98	214.54		

Table 3.3-3

Commercial/Institutional Employment-Based Allocation Proportions for Subcounty Areas

A. County Fulton
B. Year 1985
C. Allocation Order 2

(1) Subarea	(2) Commercial/ Institutional Employment	(3) Allocation Proportion
10 - CBD	50,925	.224
11 - Northeast	38,777	.171
12 - Northwest	29,249	.129
13 - Southeast	22,046	.097
14 - Southwest	20,149	.089
15 - Tri-Cities	22,521	.099
17 - Buckhead	19,877	.087
SUBAREA TOTAL	203,494	.896
Residual	23,505	.104
D. COUNTY TOTAL	226,999	1.0

Table 3.3-9

Commercial/Institutional Fuel Use Allocated to Subcounty Areas

A. County Fulton
B. Year 1985
C. Allocation Order 2

(1) Subarea	Annual Fuel Use Coal (tons/yr) (2) Anthracite	 (3) Bituminous	 (4) Lignite	 Oil (10^3 gal/yr) (5) Distillate	 (6) Residual	 Natural Gas (10^6 ft^3/yr) (7)
10 - CBD		2398		1133		3,897
11 - Northeast		1830		865		2,975
12 - Northwest		1381		652		2,244
13 - Southeast		1038		490		1,687
14 - Southwest		953		450		1,548
15 - Tri-Cities		1060		501		1,722
17 - Buckhead		937		443		1,523
SUBAREA TOTAL		9597		4534		15,596
Residual		1109		524		1,801
D. ACTUAL COUNTY TOTAL		10706		5058		17,397
E. COMPUTED COUNTY TOTAL[1]						

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[1] This row will be used only in cases where an Order 3 allocation procedure is being followed.

Table 3.3-10

Commercial/Institutional Fuel Combustion Emission Factors

A. County Fulton
B. Year 1985
C. Allocation orders 2

		Emission Factors				
	(1)	(2) Part.	(3) SO_x	(4) CO	(5) HC*	(6) NO_x*
Coal	Anthracite					
	Bituminous	14.6 lb/ton	64.6 lb/ton	10 lb/ton		
	Lignite					
Oil	Distillate	15 lb/10^3 gal	30.24 lb/10^3 gal	4 lb/10^3 gl		
	Residual					
Natural Gas		19 lb/10^6 ft^3	0.6 lb/10^6 ft^3	20 lb/$10^6 ft^3$		

*These pollutants have been excluded from this analysis because they are to be treated on an AQCR basis.

Table 3.3-11
Commercial/Institutional Fuel Combustion Emissions Allocated to Sub-County Areas

A. County Fulton
B. Year 1985
C. Allocation Order 2

	Emissions (tons/yr)				
(1) Subarea	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
10 - CBD	63.02	95.76	53.23		
11 - Northeast	48.11	73.08	40.63		
12 - Northwest	36.29	55.14	30.65		
13 - Southeast	27.28	41.44	23.04		
14 - Southwest	25.04	38.05	21.15		
15 - Tri-Cities	27.85	42.33	23.52		
17 - Buckhead	24.63	37.42	20.80		
SUBAREA TOTAL	252.22	383.22	213.02		
Residual	29.14	44.28	24.60		
D. COUNTY TOTAL	281.36	427.50	237.62		

B.2.4 Industrial Process and Fuel Combustion Emissions

ALLOCATION PROCEDURE

All Orders

Isolate point sources.

Order 1

Growth *in-situ*.

Order 2

Growth in new areas only.

Order 3

Distributed growth.

ASSUMPTIONS AND LIMITATIONS OF EXAMPLE FOR INDUSTRIAL PROCESS AND INDUSTRIAL FUEL COMBUSTION EMISSIONS

A. The total land area for each of the ten superdistricts comprising Fulton County is computed by dividing the amount of used land (ULU) by the percent of used land (%ULU). These figures were obtained from Atlanta Regional Commission (ARC) computer output.

B. The subarea specific acreage devoted to industrial activity is calculated by multiplying the total land obtained in step one, for each of the superdistricts by the percent industrial land use (%ILU) for that superdistrict.

C. The acreage change in industrial land from the baseline year to forecast year is computed for each superdistrict by subtracting the forecast year acreage from the baseline year acreage.

D. To allocate the change in industrial land among the various superdistricts for each forecast year, the results obtained from step C are divided by the difference between the county total of industrial acreage for the forecast year and the county total of industrial acreage for the baseline year. This subarea specific change in industrial acreage (Δ AREA) is the factor used to calculate emissions attributable to the siting of new point sources in each subarea.

E. Total emissions to be entered in columns (16)-(20) of Tables 3.4-4 and 3.4-8 are obtained for each of the forecast years by multiplying each value in columns (16)-(20) for the baseline year by its process growth factor for the appropriate forecast year. The new source emissions to be entered in columns (10)-(14) or Tables 3.4-4 and 3.4-8 are calculated by multiplying each of the five total emissions columns by the industrial land use change factor (Δ AREA) obtained for each of the forecast years in step D.

F. Emissions at existing point sources (columns (4)-(8) of Tables 3.4-4 and 3.4-8 are determined by subracting the new source emissions obtained from step E (columns (10)-(14) of Tables 3.4-4 and 3.4-8) from the total emissions; (columns (16)-(20) of Tables 3.4-4 and 3.4-8).

G. The point source emissions for any given source cannot be less than its baseline year emissions. In the special case(s) where the point source emissions obtained from the calculations of steps E and F are less than the baseline year emissions, enter the baseline year emissions for that point source in columns (4)-(8) of Tables 3.4-4 and 3.4-8 and subtract these columns from the total emissions (columns (16)-(20) of Tables 3.4-4 and 3.4-8 to obtain the new point source emissions. This means that forecasted emissions for an existing point source will be at least equal to the emissions for its baseline year.

H. If the industrial land use change factor (Δ AREA) is negative, enter zeros in columns (10)-(14) of Tables 3.4-4 and 3.4-8 and allocate all of the total emissions to existing point sources.

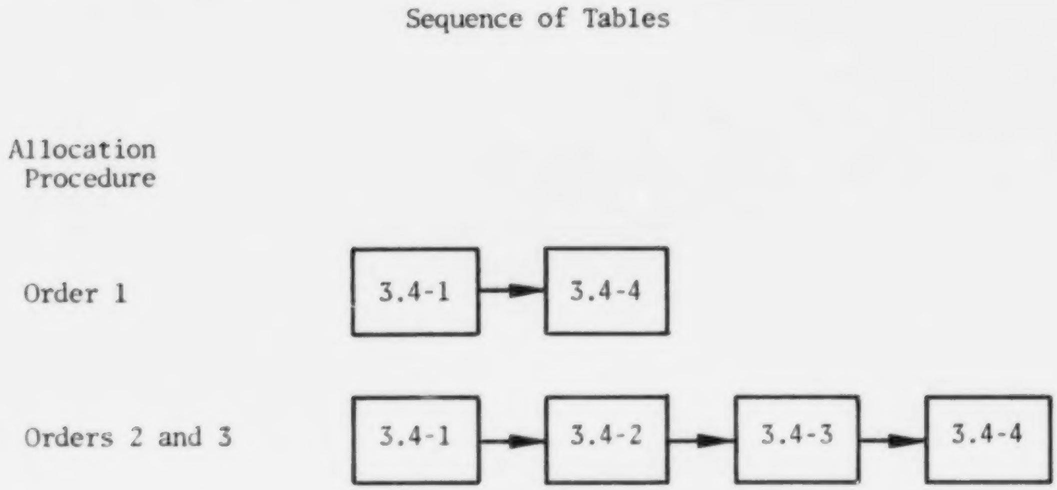
Sequence of Tables
Allocation Procedure
Order 1
3.4-1
3.4-4
Orders 2 and 3
3.4-1
3.4-2
3.4-3
3.4-4

Fig. 3.4-1 Industrial Process Allocation Table Sequence

Industrial Land Use Change Calculation: Fulton County Superdistricts

SD #	Name	% ULU	ULU (Acres)	Total Land Area	1970 ILU%	1980 ILU%	1990 ILU%	1970 ILU (Acre)	1975 ILU (Acre)	1980 ILU (Acre)	1985 ILU (Acre)	1990 ILU (Acre)	1975 ΔAREA	1980 ΔAREA	1985 ΔAREA
10	CBD Atlanta	60.18	595	989	13.40	13.36	13.16	133	132	132	131	130	(-0.002) -1/474	(-0.001) -1/948	(-0.001) -2/1622
11	NE Atlanta	65.31	5061	7749	10.26	8.71	9.53	795	735	675	707	738	(-0.126) -60/474	(-0.127) -120/948	(-0.054) -88/1622
12	NW Atlanta	50.39	9169	18196	9.15	10.18	11.32	1665	1759	1852	1956	2060	(0.198) 94/474	(0.197) 187/948	(0.179) 291/1622
13	SE Atlanta	53.96	8495	15743	7.22	7.40	7.82	1137	1151	1165	1198	1231	(0.030) 14/474	(0.030) 28/948	(0.038) 61/1622
14	SW Atlanta	39.94	10659	26713	3.48	4.05	4.80	930	1006	1082	1182	1282	(0.160) 76/474	(0.160) 152/948	(0.155) 252/1622
15	Tri-Cities	49.37	7403	14995	5.50	5.79	6.38	825	846	868	912	957	(0.044) 21/474	(0.045) 43/948	(0.054) 87/1622
16	South Fulton	4.50	5718	127067	0.17	0.49	0.76	216	420	623	795	966	(0.430) 204/474	(0.429) 407/948	(0.357) 579/1622
17	Buckhead Atlanta	71.26	11132	15622	0.80	1.07	1.42	125	146	167	195	222	(0.044) 21/474	(0.045) 42/948	(0.043) 70/1622
18	Sandy Springs	29.36	7222	24598	0.49	0.88	1.20	121	169	216	255	295	(0.101) 48/474	(0.100) 95/948	(0.147) 134/1622
19	North Fulton	5.38	4743	88160	0.10	0.23	0.51	88	145	203	326	450	(0.120) 57/474	(0.121) 115/948	(0.147) 238/1622
FULTON COUNTY TOTAL		20.66	70208	339832	1.78	2.06	2.45	6035	6509	6983	7657	8331	474	948	1622

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1970
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)												
(1)	(2) Name	(3) Process	(4) Subarea	Coord. X	(5) Y	(6) GF**	Part. Cont.	(7) Emis.	SO_x Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NO_x Cont.	(11) Emis.	(12) Emp.*
20	Coffee Co.	2095	10	742.4	3737.3	1.0		1		0		0					
20	Food Prep. Co.	2099	10	742.3	3739.2	1.0		21		10		0					
20	Brewing Co.	2082	13	742.7	3726.2	1.0		2		19		0					
20	Candle Co.	2094	12	738.9	3741.9	1.0		5		0		0					
	COUNTY TOTAL							29		29		0					

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1970
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)												
(1)	(2) Name	(3) Process	(4) Subarea	Coord.	(5)	(6) GF**	Part. Cont.	(7) Emis.	SO_x Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NO_x Cont.	(11) Emis.	(12) Emp.*
26	Paper Bag Co.	2643	13	741.5	3736.5	1.0		0		0		0					
26	Paper Coating	2641	12	739.4	3739.0	1.0		1		1		0					
	COUNTY TOTAL							1		1		0					

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1970
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)												
(1)	(2) Name	(3) Process	(4) Subarea	Coord. X	(5) Y	(6) GF**	Part. Cont.	(7) Emis.	SO_x Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NO_x Cont.	(11) Emis.	(12) Emp.*
28	Inorganic																
	Pigment Co.	2816	11	740.5	3741.5	1.0		2727		1000		0					
28	Paint Co.	2851	15	738.7	3728.9	1.0		1		0		0					
	COUNTY TOTAL							2528		1000		0					

*Employment
**Growth Factor

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1970
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord. (5) X	Y	(6) GF**	Part. Cont.	(7) Emis.	SO_x Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NO_x Cont.	(11) Emis.	(12) Emp.*
29	Paving Co.	2951	12	740.8	3739.1	1.0		38		0		0					
29	Paving Co.	2951	12	734.6	3740.8	1.0		2		0		0					
29	Paving Co.	2951	15	738.0	3728.0	1.0		2		0		0					
29	Paving Co.	2951	15	735.7	3724.7	1.0		50		1		0					
	COUNTY TOTAL							92		1		0					

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1970
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord. (5)		(6) GF**	Part. Cont.	(7) Emis.	SO_x Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NO_x Cont.	(11) Emis.	(12) Emp.*
33	Steel Works Co.	3312	11	741.9	3742.1	1.0		3446		29		3060					
33	Iron Foundry	3321	11	744.9	3738.6	1.0		36		1		2199					
33	Steel Works Co.	3312	11	741.0	3741.9	1.0		301		0		3060					
33	Sec. Smelt. Co.	3341	12	739.2	3740.5	1.0		5		279		0					
	COUNTY TOTAL							3788		309		8319					

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1970
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord. (5) X	Y	(6) GF**	Part. Cont.	(7) Emis.	SO_x Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NO_x Cont.	(11) Emis.	(12) Emp.*
36	Electric																
	Machinery Co.	3696	16	727.5	3714.8	1.0		202		14		163					
	COUNTY TOTAL							202		14		163					

*Employment
**Growth Factor

Table 3.4 1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1970
C. Allocation Order 3

Indust. Proc. Cat.	Source Identification					Process Emission Forecast (tons/yr)												
(1)	(2) Name	(3) Process	(4) Subarea	Coord. (5) X	Coord. (5) Y	(6) GF**	Part. (7) Cont.	Part. (7) Emis.	SO_x (8) Cont.	SO_x (8) Emis.	CO (9) Cont.	CO (9) Emis.	HC (10) Cont.	HC (10) Emis.	NO_x (11) Cont.	NO_x (11) Emis.	(12) Emp.*
32	Brick Co.	3251	12	731.4	3744.4	1.0		3650		0		0					
32	Redi-Mix Concrete	3273	10	742.4	3738.7	1.0		2		0		0					
32	Redi-Mix Concrete	3273	11	740.8	3740.1	1.0		3		0		0					
32	Redi-Mix Concrete	3273	11	743.8	3741.1	1.0		1		0		0					
32	Iron Foundry	3221	15	739.3	3728.7	1.0		175		192		0					
32	Mineral Wool Co.	3296	16	727.5	3714.8	1.0		209		0		0					
32	Redi-Mix Concrete	3273	16	725.6	3716.6	1.0		1		0		0					
32	Redi-Mix Concrete	3273	11	745.4	3737.2	1.0		1		0		0					
32	Redi-Mix Concrete	3273	15	731.8	3726.0	1.0		2		0		0					
32	Redi-Mix Concrete	3273	11	745.5	2737.4	1.0		2		0		0					
32	Redi-Mix Concrete	3273	11	745.5	3737.4	1.0		8		0		0					
32	Flat Glass Co.	3211	15	739.3	3727.8	1.0		333		195		0					
32	Redi-Mix Concrete	3273	15	735.7	3725.1	1.0		2		0		0					
32	Redi-Mix Concrete	3273	17	743.5	3745.1	1.0		1		0		0					
32	Redi-Mix Concrete	3273	13	741.3	3733.3	1.0		1		0		0					
14	Crushed Granite	1423	12	736.7	3741.2	1.0		150		0		0					
	COUNTY TOTAL							4541		387		0					

*Employment
**Growth Factor

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1970
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord. X	(5) Y	(6) GF**	Part. Cont.	(7) Emis.	SO_x Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NO_x Cont.	(11) Emis.	(12) Emp.*
49	Refuge Systems	4953	14	0	0	1.0		0		0		1					
49	Refuge Systems	4953	13	743.8	3733.1	1.0		10		1		15					
49	Steam Supply	4961	12	740.5	3738.6	1.0		2372		588		10					
49	Steam Supply	4961	10	742.1	3737.3	1.0		1155		882		16					
	COUNTY TOTAL							3537		1471		42					

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1970
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord.	(5)	(6) GF**	Part. Cont.	(7) Emis.	SO_x Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NO_x Cont.	(11) Emis.	(12) Emp.*
91	U. S. Prison	9100	13	743.8	3733.1	1.0		6		0		6					
(Civil)																	
	COUNTY TOTAL							6		0		6					

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1970
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord. X	(5) Y	(6) GF**	Part. Cont.	(7) Emis.	SO_x Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NO_x Cont.	(11) Emis.	(12) Emp.*
91	Armed Forces	9100	11	744.3	3737.2	1.0		0		0		0					
91	Armed Forces	9100	14	737.8	3732.2	1.0		2		2		2					
	COUNTY TOTAL							2		2		2					

*Employment
**Growth Factor

Table 3.4-2

Industrial Point and New Source Process Emissions by Process Category

A. County Fulton

B. Year 1970

C. Allocation Order 3

(1) Industrial Process Category	Baseline Year Existing Point Sources						Forecast Year - All Sources							Forecast Year Existing Point Sources						Forecast Year - New Sources										
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x	(7) Emp*	(8) GF**	(9) Part.	(10) SO_x	(11) CO	(12) HC	(13) NO_x	(14) Emp*	(15) Part.	(16) SO_x	(17) CO	(18) HC	(19) NO_x	(20) Emp*	(21) Part.		(22) SO_x		(23) CO		(24) HC		(25) NO_x		(26)
																				Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Emp.*
20	29	29	0																											
26	1	1	[illegible]																											
28	[illegible]	[illegible]																												
29	12	1	[illegible]																											
14 & 32	4541	367	[illegible]																											
33	5780	5	651																											
36	[illegible]	13	103																											
[illegible] & 34	[illegible]	1471	42																											
[illegible] (Civilian)	6	3	6																											
[illegible] (Armed)	2	2	2																											
D. COUNTY TOTAL	[illegible]	3214	8532				▨																							

* Employment

**Growth Factor

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 10
C. Year 1970
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Point Source Emp. (3)	New Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
20					0	0	0		
14 & 32					0	0	0		
49					0	0	0		
E. SUBAREA TOTAL					0	0	0		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 11
C. Year 1970
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Source Emp. (3)	Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
28					0	0	0		
14 & 32					0	0	0		
33					0	0	0		
91 (Armed)					0	0	0		
E. SUBAREA TOTAL					0	0	0		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 12
C. Year 1970
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Point Source Emp. (3)	New Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
20					0	0	0		
26					0	0	0		
29					0	0	0		
14 & 32					0	0	0		
33					0	0	0		
49					0	0	0		
E. SUBAREA TOTAL					0	0	0		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 13
C. Year 1970
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Source Emp. (3)	Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
20					0	0	0		
26					0	0	0		
14 & 32					0	0	0		
49 & 44					0	0	0		
91 (Civil)					0	0	0		
E. SUBAREA TOTAL					0	0	0		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 14
C. Year 1970
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Point Source Emp. (3)	New Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
49					0	0	0		
91 (Armed)					0	0	0		
E. SUBAREA TOTAL					0	0	0		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 15
C. Year 1970
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Source Emp. (3)	Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
28					0	0	0		
29					0	0	0		
14 & 32					0	0	0		
E. SUBAREA TOTAL					0	0	0		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 16
C. Year 1970
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Point Source Emp. (3)	New Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
14 & 32					0	0	0		
36					0	0	0		
E. SUBAREA TOTAL					0	0	0		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 17
C. Year 1970
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Source Emp. (3)	Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
14 & 32					0	0	0		
E. SUBAREA TOTAL					0	0	0		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 10
C. Year 1970
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
20	2		22	10	0				0	0	0				22	10	0		
14 & 32	1		2	0	0				0	0	0				2	0	0		
49	1		1155	882	16				0	0	0				1155	882	16		
E. SUBAREA TOTAL	4		1179	892	16				0	0	0				1179	892	16		

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 11
C. Year 1970
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
28	1		2727	1000	0				0	0	0				2727	1000	0		
14 & 32	5		15	0	0				0	0	0				0	0	0		
33	3		3783	30	8319				0	0	0				3783	30	8319		
E. SUBAREA TOTAL	10		6525	1030	8319				0	0	0				6525	1030	8319		

*Emp Employment

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 12
C. Year 1970
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO$_x$	(6) CO	(7) HC	(8) NO$_x$	(9) Emp.*	(10) Part.	(11) SO$_x$	(12) CO	(13) HC	(14) NO$_x$	(15) Emp.*	(16) Part.	(17) SO$_x$	(18) CO	(19) HC	(20) NO$_x$
20	1		5	0	0				0	0	0				5	0	0		
26	1		1	1	0				0	0	0				1	1	0		
29	2		40	0	0				0	0	0				40	0	0		
14 & 32	2		3800	0	0				0	0	0				3800	0	0		
33	1		5	279	0				0	0	0				5	279	0		
49	1		2372	588	10				0	0	0				2372	588	10		
E. SUBAREA TOTAL	8		6223	868	10				0	0	0				6223	868	10		

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 13
C. Year 1970
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO$_x$	(6) CO	(7) HC	(8) NO$_x$	(9) Emp.*	(10) Part.	(11) SO$_x$	(12) CO	(13) HC	(14) NO$_x$	(15) Emp.*	(16) Part.	(17) SO$_x$	(18) CO	(19) HC	(20) NO$_x$
20	1		2	19	0				0	0	0				2	19	0		
26	1		0	0	0				0	0	0				0	0	0		
14 & 32	1		1	0	0				0	0	0				1	0	0		
49	1		10	1	15				0	0	0				10	1	15		
91 (Civil)	1		6	0	0				0	0	0				6	0	0		
E. SUBAREA TOTAL	5		19	20	15				0	0	0				19	20	15		

*Employment

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 14
C. Year 1970
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
49	1		0	0	1				0	0	0				0	0	1		
91 (Armed)	1		2	2	2				0	0	0				2	2	2		
E. SUBAREA TOTAL	2		2	2	3				0	0	0				2	2	3		

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 15
C. Year 1970
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
28	1		1	0	0				0	0	0				1	0	0		
29	2		52	1	0				0	0	0				52	1	0		
14 & 32	4		512	387	0				0	0	0				512	387	0		
E. SUBAREA TOTAL	7		565	388	0				0	0	0				565	388	0		

*Employment

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 16
C. Year 1970
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
14 & 32	2		210	0	0				0	0	0				210	0	0		
36	1		202	14	163				0	0	0				202	14	163		
E. SUBAREA TOTAL	3		412	14	163				0	0	0				412	14	163		

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 17
C. Year 1970
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
14 & 32	1		1	0	0				0	0	0				1	0	0		
E. SUBAREA TOTAL	1		1	0	0				0	0	0				1	0	0		

*Employment

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1975
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord. X	(5) Y	(6) GF**	Part. Cont.	(7) Emis.	SO_x Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NO_x Cont.	(11) Emis.	(12) Emp.*
20	Coffee Co.	2095	10	742.4	3737.3	1.054		1		0		0					
20	Food Prep. Co.	2099	10	742.3	3739.2	1.054		22		11		0					
20	Brewing Co.	2082	13	742.7	3726.2	1.054		2		19		0					
20	Candle Co.	2094	12	738.9	3741.9	1.054		5		0		0					
	COUNTY TOTAL							30		30		0					

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1975
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord.	(5)	(6) GF**	Part. Cont.	(7) Emis.	SO_x Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NO_x Cont.	(11) Emis.	(12) Emp.*
26	Paper Bag Co.	2643	13	741.5	3736.5	1.367		0		0		0					
26	Paper Bag Co.	2641	12	739.4	3739.0	1.367		1		1		0					
	COUNTY TOTAL							1		1		0					

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1975
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord. X	(5) Y	(6) GF**	Part. Cont.	(7) Emis.	SO_x Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NO_x Cont.	(11) Emis.	(12) Emp.*
28	Inorganic																
	Pigment Co.	2816	11	740.5	3741.5	1.291		3264		1291		0					
28	Paint Co.	2851	15	738.7	3728.9	1.291		1		0		0					
	COUNTY TOTAL							3269		1291		0					

*Employment
**Growth Factor

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1975
C. Allocation Order 3

Indust. Proc. Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord. (5) X	Y	(6) GF**	Part. Cont.	(7) Emis.	SO_x Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NO_x Cont.	(11) Emis.	(12) Emp.*
29	Paving Co.	2951	12	740.8	3739.1	1.592		48		0		0					
29	Paving Co.	2951	12	734.6	3740.8	1.592		3		0		0					
29	Paving Co.	2951	15	738.0	3728.0	1.592		3		0		0					
29	Paving Co.	2951	15	735.7	3726.7	1.592		76		2		0					
	COUNTY TOTAL							130		2		0					

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1975
C. Allocation Order 3

Indust. Proc. Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord. (5)		(6) GF**	Part. Cont.	(7) Emis.	SO_x Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NO_x Cont.	(11) Emis.	(12) Emp.*
33	Steel Works Co.	3312	11	741.9	3742.1	1.124		3874		32		3440					
33	Iron Foundry	3321	11	744.9	3738.6	1.124		40		1		2473					
33	Steel Works Co.	3312	11	741.0	3741.9	1.124		339		0		3440					
33	Sec. Smelt. Co.	3341	12	739.2	3740.5	1.124		5		252		0					
	COUNTY TOTAL							4258		285		9353					

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1975
C. Allocation Order 3

Indust. Proc. Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord. (5) X	Y	(6) GF**	Part. Cont.	(7) Emis.	SO_x Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NO_x Cont.	(11) Emis.	(12) Emp.*
36	Electric Machinery Co.	3696	16	727.5	3714.8	1.362		202		14		163					
	COUNTY TOTAL							202		14		163					

*Employment
**Growth Factor

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1975
C. Allocation Order 3

Indust. Proc. Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord. (5)		(6) GF**	Part. (7)		SO_x (8)		CO (9)		HC (10)		NO_x (11)		(12) Emp.*
				X	Y		Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	
32	Brick Co.	3251	12	731.4	3744.4	1.289		3774		0		0					
32	Redi-Mix Concrete	3273	10	742.4	3738.7	1.289		3		0		0					
32	Redi-Mix Concrete	3273	11	740.8	3740.1	1.289		4		0		0					
32	Redi-Mix Concrete	3273	11	743.8	3741.1	1.289		1		0		0					
32	Glass Ctr. Co.	3221	15	739.3	3726.7	1.289		217		237		0					
32	Mineral Wool Co.	3296	16	727.5	3714.8	1.289		153		0		0					
32	Redi-Mix Concrete	3273	16	725.6	3716.6	1.289		1		0		0					
32	Redi-Mix Concrete	3273	11	745.4	3739.2	1.289		1		0		0					
32	Redi-Mix Concrete	3273	15	731.8	3726.0	1.289		3		0		0					
32	Redi-Mix Concrete	3273	11	745.5	3737.4	1.289		3		0		0					
32	Redi-Mix Concrete	3273	11	745.5	3737.4	1.289		10		0		0					
32	Flat Glass Co.	3211	15	739.3	3727.8	1.289		409		240		0					
32	Redi-Mix Concrete	3273	15	735.7	3725.1	1.289		3		0		0					
32	Redi-Mix Concrete	3273	17	743.5	3745.1	1.289		1		0		0					
32	Redi-Mix Concrete	3273	13	741.3	3733.3	1.289		1		0		0					
14	Crushed Granite	1423	12	736.9	3741.2	1.289		153		0		0					
	COUNTY TOTAL							4737		477		0					

*Employment
**Growth Factor

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1975
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord. (5) X	Y	(6) GF**	Part. Cont.	(7) Emis.	SO_x Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NO_x Cont.	(11) Emis.	(12) Emp.*
49	Refuse Systems	4953	14			1.204		0		0		1					
49	Refuse Systems	4953	13	743.8	3733.1	1.204		12		1		18					
49	Steam Supply	4961	12	740.5	3738.6	1.204		2289		568		10					
49	Steam Supply	4961	10	742.1	3737.3	1.204		1390		1062		19					
	COUNTY TOTAL							3691		1631		48					

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1975
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord. (5) X	Y	(6) GF**	Part. Cont.	(7) Emis.	SO_x Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NO_x Cont.	(11) Emis.	(12) Emp.*
91	U.S. Prison	9100	13	743.8	3733.1	1.269		8		0		8					
(Civil)																	
	COUNTY TOTAL							8		0		8					

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1975
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord. (5) X	Y	(6) GF**	Part. Cont.	(7) Emis.	SO_x Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NO_x Cont.	(11) Emis.	(12) Emp.*
91	Armed Forces	9100	11	744.3	3737.2	1.0		0		0		0					
91	Armed Forces	9100	14	737.8	3732.2	1.0		2		2		2					
	COUNTY TOTAL							2		2		2					

*Employment
**Growth Factor

Table 5.4-2

Industrial Point and New Source Process Emissions by Process Category

A. County Fulton
B. Year 1975
C. Allocation Order 3

	Baseline Year Existing Point Sources						Forecast Year - All Sources							Forecast Year Existing Point Sources						Forecast Year - New Sources										
(1) Industrial Process Category	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x	(7) Emp*	(8) GF**	(9) Part.	(10) SO_x	(11) CO	(12) HC	(13) NO_x	(14) Emp*	(15) Part.	(16) SO_x	(17) CO	(18) HC	(19) NO_x	(20) Emp*	(21) Part.		(22) SO_x		(23) CO		(24) HC		(25) NO_x		(26) Emp.*
																				Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	
20	29	29	0				1.054	31	31	0				30	30	0					1		1		0					
26	1	1	0				1.367	1	1	0				1	1	0					0		0		0					
28	2528	1000	0				1.291	3255	1231	0				3265	1291	0					0		0		0					
29	92	1	0				1.592	146	2	0				130	2	0					16		0		0					
14 & 32	4541	387	0				1.281	5854	499	0				4737	477	0					1117		22		0					
33	3788	309	8319				1.124	4529	347	9353				4258	285	9353					271		62		0					
36	202	14	163				1.362	275	19	222				202	14	163					73		5		59					
49	3537	1471	42				1.204	4257	1771	51				3691	1631	48					566		140		3					
91 (Civilian)	6	0	6				1.260	8	0	8				8	0	8					0		0		0					
91 (Armed)	2	2	2				0.810	2	2	2				2	2	2					0		0		0					
D. COUNTY TOTAL	14726	3214	8532				▨	18550	3863	9636				16224	3735	9574					2144		230		62					

* Employment
**Growth Factor

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 10
C. Year 1975
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Point Source Emp. (3)	New Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
20					0	0	0		
14 & 32					0	0	0		
49					0	0	0		
E. SUBAREA TOTAL					0	0	0		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 11
C. Year 1975
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Source Emp. (3)	Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
28					0	0	0		
14 & 32					0	0	0		
33					0	0	0		
91 (Armed)					0	0	0		
E. SUBAREA TOTAL					0	0	0		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 12
C. Year 1975
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Point Source Emp. (3)	New Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
20					1	0	0		
26					0	0	0		
29					12	[illegible]	0		
14 & 32					971	0	0		
33					1	62	0		
49					566	147	2		
E. SUBAREA TOTAL					1551	212	2		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 13
C. Year 1975
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Source Emp. (3)	Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
20					0	1	0		
26					0	0	0		
14 & 32					0	0	0		
49 & 44					0	0	1		
91 (Civil)					0	0	0		
E. SUBAREA TOTAL					0	1	1		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 14
C. Year 1975
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Point Source Emp. (3)	New Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
49					0	0	0		
91 (Armed)					0	0	0		
E. SUBAREA TOTAL					0	0	0		

$$^{*}\text{Employment Allocation Proportion} = \frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 15
C. Year 1975
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Source Emp. (3)	Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
28					0	0	0		
29					4	0	0		
14 & 32					29	22	0		
E. SUBAREA TOTAL					33	22	0		

$$^{*}\text{Employment Allocation Proportion} = \frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 17
C. Year 1975
D. Allocation Order 5

Industrial Process Category (1)	Total Emp. (2)	Point Source Emp. (3)	New Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
14 & 32					0	0	0		
E. SUBAREA TOTAL					0	0	0		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 16
C. Year 1975
D. Allocation Order 5

Industrial Process Category (1)	Total Emp. (2)	Source Emp. (3)	Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
14 & 32					117	0	0		
36					73	5	59		
E. SUBAREA TOTAL					190	5	59		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 10
C. Year 1975
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
20	2		23	11	0				0	0	0				23	11	0		
14 & 32	1		3	0	0				0	0	0				3	0	0		
49 & 44	1		1390	1062	19				0	0	0				1390	1062	19		
E. SUBAREA TOTAL			1416	1073	19				0	0	0				1416	1073	19		

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 11
C. Year 1975
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
28	1		3264	1291	0				0	0	0				3264	1291	0		
14 & 32	5		19	0	0				0	0	0				19	0	0		
33	3		4253	33	9353				0	0	0				4253	33	9353		
91 (Armed)	1		0	0	0				0	0	0				0	0	0		
E. SUBAREA TOTAL			7536	1324	9353				0	0	0				7536	1324	9353		

*Employment

Table 3.4.4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 12
C. Year 1975
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
20	1		5	0	0				1	0	0				6	0	0		
26	1		1	1	0				0	0	0				1	1	0		
29	2		51	0	0				12	0	0				63	0	0		
14 & 32	2		3927	0	0				971	0	0				4898	0	0		
33	1		5	252	0				1	62	0				6	314	0		
49 & 44	1		2289	568	10				566	140	2				2855	708	12		
E. SUBAREA TOTAL			6278	821	10				1551	202	2				7829	1023	12		

Table 3.4.4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 13
C. Year 1975
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
20	1		2	19	0				0	1	0				2	20	0		
26	1		0	0	0				0	0	0				0	0	0		
14 & 32	1		1	0	0				0	0	0				1	0	0		
49 & 44	1		12	1	18				0	0	1				12	1	19		
E. SUBAREA TOTAL			23	20	26				0	1	1				23	21	27		

*Employment

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 14
C. Year 1975
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
19 & 44	1		0	0	1				0	0	0				0	0	1		
91 (Armed)	1		2	2	2				0	0	0				2	2	2		
E. SUBAREA TOTAL			2	2	3				0	0	0				2	2	3		

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 15
C. Year 1975
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
28	1		1	0	0				0	0	0				1	0	0		
29	2		79	2	0				4	0	0				83	2	0		
14 & 32	4		632	477	0				29	22	0				661	499	0		
E. SUBAREA TOTAL			712	479	0				33	22	0				745	501	0		

*Employment

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 16
C. Year 1975
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
14 & 32	2		154	0	0				117	0	0				271	0	0		
36	1		202	14	163				73	5	59				275	19	222		
E. SUBAREA TOTAL			356	14	163				190	5	59				546	19	222		

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 17
C. Year 1975
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
14 & 32	1		1	0	0				0	0	0				1	0	0		
E. SUBAREA TOTAL			1	0	0				0	0	0				1	0	0		

*Employment

Table 3.4-5

Industrial Point Source Fuel Use

A. County Fulton
B. Year 1975
C. Allocation Order Y

	Source Identification					Fuel Demand and Fuel Use Forecast																	
(1) Industrial Proc. Cat.	(2) Name	(3) Proc.	(4) Subarea	Coord. (5) X	Y	(6) G**	(7) MBTU	(8) Emp.*	(9) COAL	(10) SS	(11) SA	(12) R OIL	(13) SS	(14) D OIL	(15) SS	(16) NG	(17) P GAS	(18) LPG	(19) COKE	(20) WOOD	(21) BAGSE	(22) DIES	(23) GAS
32	Mineral Wool Co.	3296	16			1.280	1580									1315							
32	Mineral Wool Co.	3296	16			1.280	326									1315							
	COUNTY TOTAL					1.280	1906									2630							

Table 3.4-5

Industrial Point Source Fuel Use

A. County Fulton
B. Year 1975
C. Allocation Order Y

	Source Identification					Fuel Demand and Fuel Use Forecast																	
(1) Industrial Proc. Cat.	(2) Name	(3) Proc.	(4) Subarea	Coord. (5) X	Y	(6) G**	(7) MBTU	(8) Emp.*	(9) COAL	(10) SS	(11) SA	(12) R OIL	(13) SS	(14) D OIL	(15) SS	(16) NG	(17) P GAS	(18) LPG	(19) COKE	(20) WOOD	(21) BAGSE	(22) DIES	(23) GAS
33	Steel Works	3312	31			1.124	61					4.5	1										
33	Steel Works	3312	31			1.124	483									483							
	COUNTY TOTAL						544					4.5	1			483							

Table 3.4-5

Industrial Point Source Fuel Use

A. County Fulton
B. Year 1975
C. Allocation Order Y

	Source Identification					Fuel Demand and Fuel Use Forecast																	
(1) Industrial Proc. Cat.	(2) Name	(3) Proc.	(4) Subarea	Coord. (5) X	Y	(6) G**	(7) MBTU	(8) Emp.*	(9) COAL	(10) SS	(11) SA	(12) R OIL	(13) SS	(14) D OIL	(15) SS	(16) NG	(17) P GAS	(18) LPG	(19) COKE	(20) WOOD	(21) BAGSE	(22) DIES	(23) GAS
49	Steam Supply	4961	17			1.294	3407		[illegible]	1.48	12												
49	Steam Supply	4961	17			1.294	8857		35528	1.30	8.2												
	COUNTY TOTAL					1.294	[illegible]		59458														

*Employment
**Growth Factor

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1980
C. Allocation Order 1

Indust. Proc.Cat. (1)	(2) Name	(3) Process	(4) Subarea	Coord. (5) X	Coord. (5) Y	(6) GF**	Part. (7) Cont.	Part. (7) Emis.	SO_x (8) Cont.	SO_x (8) Emis.	CO (9) Cont.	CO (9) Emis.	HC (10) Cont.	HC (10) Emis.	NO_x (11) Cont.	NO_x (11) Emis.	(12) Emp.*
20	Coffee Co.	2095	10	742.4	3737.3	1.188		1		0		0					
20	Food Prep. Co.	2099	10	742.3	3739.2	1.188		25		12		0					
20	Brewing Co.	2082	11	742.7	3736.2	1.288		2		22		0					
20	Candle Co.	2094	11	738.4	3741.9	1.288		5		0		0					
	COUNTY TOTAL							33		34		0					

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1980
C. Allocation Order 2

Indust. Proc.Cat. (1)	(2) Name	(3) Process	(4) Subarea	Coord. (5) X	Coord. (5) Y	(6) GF**	Part. (7) Cont.	Part. (7) Emis.	SO_x (8) Cont.	SO_x (8) Emis.	CO (9) Cont.	CO (9) Emis.	HC (10) Cont.	HC (10) Emis.	NO_x (11) Cont.	NO_x (11) Emis.	(12) Emp.*
26	Paper Bag Co.	2643	11	741.2	3736.3	[illegible]		[illegible]		0		0					
26	Paper Coating Co.	2641	11	738.4	3738.8	[illegible]		2		1		0					
	COUNTY TOTAL							2		1		0					

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1980
C. Allocation Order 3

Indust. Proc.Cat. (1)	(2) Name	(3) Process	(4) Subarea	Coord. (5) X	Coord. (5) Y	(6) GF**	Part. (7) Cont.	Part. (7) Emis.	SO_x (8) Cont.	SO_x (8) Emis.	CO (9) Cont.	CO (9) Emis.	HC (10) Cont.	HC (10) Emis.	NO_x (11) Cont.	NO_x (11) Emis.	(12) Emp.*
28	Inorganic																
	Pigment Co.	2816	11	740.2	3741.3	1.654		4160		1934		0					
28	Paint Co.	2851	11	738.7	3739.8	1.654		2		49		0					
	COUNTY TOTAL							[illegible]		[illegible]		0					

*Employment
**Growth Factor

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1980
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord. (5)		(6) GF**	Part. (7)		SO_x (8)		CO (9)		HC (10)		NO_x (11)		(12) Emp.*
				X	Y		Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	
29	Paving Co.	2951	12	740.8	3739.1	1.980		61		0		0					
29	Paving Co.	2951	12	734.6	3740.8	1.980		3		0		0					
29	Paving Co.	2951	15	738.0	3724.7	1.980		4		0		0					
29	Paving Co.	2951	15	735.7		1.980		94		2		0					
	COUNTY TOTAL							162		2		0					

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1980
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord. (5)		(6) GF**	Part. (7)		SO_x (8)		CO (9)		HC (10)		NO_x (11)		(12) Emp.*
							Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	
33	Steel Works Co.	3312	11	741.0	3742.1	1.348		4645		39		4125					
33	Iron Foundry	3321	11	744.9	3738.6	1.348		49		1		2966					
33	Steel Works Co.	3312	11	741.0	3741.3	1.348		406		0		4125					
33	Sec. Smelt. Co.	3341	12	739.2	3740.5	1.348		6		302		0					
	COUNTY TOTAL							5106		342		11216					

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1980
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord. (5)		(6) GF**	Part. (7)		SO_x (8)		CO (9)		HC (10)		NO_x (11)		(12) Emp.*
				X	Y		Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	
36	Electric																
	Machinery Co.	3690	16	727.5	3714.8	1.826		211		15		170					
	COUNTY TOTAL							211		15		170					

*Employment
**Growth Factor

Table 5.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1985
C. [illegible] 5

Indust. Proc. Cat.	Source Identification					Process Emission Forecast (tons/yr)												
(1)	(2) Name	(3) Process	(4) Subarea	Coord. (5)		(6) GF**	Part. (7)		SO₂ (8)		CO (9)		HC (10)		NOₓ (11)		(12) Imp.*
				X	Y		Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	
32	Brick Co.	3251	12	731.4	3744.4	1.690		4776		0		0					
32	Redi Mix Concrete	3273	10	742.4	3738.7	1.650		3		0		0					
32	Redi Mix Concrete	3273	11	738.8	3740.1	[illegible]		3		0		0					
32	Redi Mix Concrete	3273	11	738.8	3741.3	[illegible]		2		0		0					
32	Glass Ctr. Co.	3221	13	759.5	3728.7	[illegible]		272		209		0					
32	Mineral Wool Co.	3296	16	727.5	3714.8	[illegible]		208		0		0					
32	Redi Mix Concrete	3273	16	729.6	3716.9	[illegible]		2		0		0					
32	Redi Mix Concrete	3273	11	735.4	[illegible]	[illegible]		2		0		0					
32	Redi Mix Concrete	3273	15	731.4	3726.4	[illegible]		3		0		0					
32	Redi Mix Concrete	3273	11	745.8	3737.4	[illegible]		3		0		0					
32	Redi Mix Concrete	3273	11	[illegible]	3737.4	[illegible]		13		0		0					
32	Float Glass Co.	3211	13	758.5	3727.8	1.630		318		304		0					
32	Redi Mix Concrete	3273	[illegible]	[illegible]	3728.1	[illegible]		3		0		0					
32	Redi Mix Concrete	3273	07	742.3	3745.3	[illegible]		2		0		0					
32	Redi Mix Concrete	3273	12	736.3	3738.8	[illegible]		2		0		0					
32	Crushed Granite	[illegible]	12	736.9	[illegible]	[illegible]		186		0		0					
	COUNTY TOTAL							6011		603		0					

*Implement
**Growth Factor

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1980
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)												
(1)	(2) Name	(3) Process	(4) Subarea	Coord. (5) X	Y	(6) GF**	Part. Cont.	(7) Emis.	SO₂ Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NOₓ Cont.	(11) Emis.	(12) Emp.*
49	Refuse Systems	4953	14			1.483		0		0		1					
49	Refuse Systems	4953	13	743.8	3733.1	1.483		15		1		21					
49	Steam Supply	4961	12	740.5	3738.6	1.483		2824		700		12					
49	Steam Su ply	4961	10	742.1	3737.3	1.483		1713		1308		24					
	COUNTY TOTAL							4552		2009		58					

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1980
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)												
(1)	(2) Name	(3) Process	(4) Subarea	Coord. (5) X	Y	(6) GF**	Part. Cont	(7) Emis.	SO₂ Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NOₓ Cont.	(11) Emis.	(12) Emp.*
91	U.S. Prison	9100	13	743.8	3733.1	1.672		10		0		10					
(Civil)																	
	COUNTY TOTAL							10		0		10					

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1980
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)												
(1)	(2) Name	(3) Process	(4) Subarea	Coord. (5) X	Y	(6) GF**	Part. Cont.	(7) Emis.	SO₂ Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NOₓ Cont.	(11) Emis.	(12) Emp.*
91	Armed Forces	9100	11	744.3	3737.2	1.0		0		0		0					
91	Armed Forces	9100	14	737.8	3712.2	1.0		2		2		2					
	COUNTY TOTAL							2		2		2					

*Employment
**Growth Factor

[illegible]

[illegible]

A. County [illegible]
B. Year [illegible]
C. Allocation Order [illegible]

(1) Industrial Process Category	Baseline Year Existing Point Sources						Forecast Year - All Sources							Forecast Year Existing Point Sources						Forecast Year - New Sources										
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x	(7) Emp*	(8) GF**	(9) Part.	(10) SO_x	(11) CO	(12) HC	(13) NO_x	(14) Emp*	(15) Part.	(16) SO_x	(17) CO	(18) HC	(19) NO_x	(20) Emp*	(21) Part.		(22) SO_x		(23) CO		(24) HC		(25) NO_x		(26)
																				Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Emp.*
20	29	29	0				1.108	34	34					33	33	0					1		0		0					
26	1	1	0				1.798	2	2	0				2	2	0					0		0		0					
28	2328	2000	0				1.834	4182	1652	[illegible]				[illegible]	[illegible]	0					0		0		0					
29	92	1	0				[illegible]	183	[illegible]	[illegible]				[illegible]	[illegible]	0					23		0		0					
14 & 32	4541	387	0				[illegible]	[illegible]	[illegible]	[illegible]				6011	[illegible]						1802		28		0					
33	3788	309	8319				1.349	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]					3		79		0					
36	202	14	165				[illegible]	[illegible]	[illegible]	208				[illegible]	[illegible]	[illegible]					128		11		128					
40	3837	1471	42				[illegible]	[illegible]	[illegible]	52				[illegible]	[illegible]	56					607		172		4					
[illegible]	5	0	90				[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]					[illegible]		0		0					
[illegible]	2	2	2				[illegible]	2	2	2				2	2	2					[illegible]		0		0					
D. COUNTY TOTAL	14726	3214	8632				▨	22057	[illegible]	[illegible]				20778	[illegible]	[illegible]					1266		28		132					

* Employment
**Growth Factor

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 10
C. Year 1980
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Point Source Emp. (3)	New Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr) (6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
20					0	0	0		
14 & 32					0	0	0		
49					0	0	0		
E. SUBAREA TOTAL					0	0	0		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 11
C. Year 1980
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Source Emp. (3)	Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr) (6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
28					0	0	0		
14 & 32					0	0	0		
33					0	0	0		
91 (Armed)					0	0	0		
E. SUBAREA TOTAL					0	0	0		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 12
C. Year 1980
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Point Source Emp. (3)	New Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
20					1	0	0		
26					0	0	0		
29					16	0	0		
14 & 32					1222	0	0		
33					1	74	0		
49					694	172	3		
E. SUBAREA TOTAL					1934	246	3		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 13
C. Year 1980
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Source Emp. (3)	Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
20					0	1	0		
26					0	0	0		
14 & 32					0	0	0		
49					0	0	1		
91 (Civil)					0	0	0		
E. SUBAREA TOTAL					0	1	1		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 14
C. Year 1980
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Point Source Emp. (3)	New Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
49					0	0	7		
91 (Armed)					0	0	0		
E. SUBAREA TOTAL					0	0	7		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 15
C. Year 1975
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Source Emp. (3)	Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
28					0	0	0		
29					5	0	0		
14 & 32					37	28	0		
E. SUBAREA TOTAL					42	28	0		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 16
C. Year 1980
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Point Source Emp. (3)	New Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
14 & 32					132	0	0		
36					158	11	128		
E. SUBAREA TOTAL					290	11	128		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 17
C. Year 1980
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Source Emp. (3)	Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
14 & 32					0	0	0		
E. SUBAREA TOTAL					0	0	0		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 10
C. Year 1980
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
20	2		26	12	0				0	0	0				26	12	0		
14 & 32	1		3	0	0				0	0	0				3	0	0		
49	1		1713	1308	24				0	0	0				1713	1308	24		
E. SUBAREA TOTAL			1742	1320	24				0	0	0				1742	1320	24		

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 11
C. Year 1980
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
28	1		4180	1654	0				0	0	0				4180	1654	0		
14 & 32	5		24	0	0				0	0	0				24	0	0		
33	3		5100	40	11216				0	0	0				5100	40	11216		
91 (Armed)	1		0	0	0				0	0	0				0	0	0		
E. SUBAREA TOTAL			9204	1694	11216				0	0	0				9304	1694	11216		

*Employment

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 12
C. Year 1980
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
20	1		5	0	0				1	0	0				6	0	0		
26	1		2	2	0				0	0	0				2	2	0		
29	2		64	0	0				16	0	0				80	0	0		
14 & 32	2		4972	0	0				1222	0	0				6194	0	0		
33	1		6	302	0				1	74	0				7	376	0		
49	1		2824	700	12				694	172	3				3518	872	15		
E. SUBAREA TOTAL			7873	1004	12				1934	246	3				9807	1250	15		

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 13
C. Year 1980
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
20	1		2	22	0				0	1	0				2	23	0		
26	1		0	0	0				0	0	0				0	0	0		
14 & 32	1		2	0	0				0	0	0				2	0	0		
49 & 44	1		15	1	21				0	0	1				15	1	22		
91 (Civil)	1		10	0	10				0	0	0				10	0	10		
E. SUBAREA TOTAL			29	23	31				0	1	1				29	24	32		

*Employment

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 14
C. Year 1980
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
49	1		0	0	1				0	0	0				0	0	1		
91 (Armed)	1		2	2	2				0	0	0				2	2	2		
E. SUBAREA TOTAL			2	2	3				0	0	0				2	2	3		

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 15
C. Year 1980
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
28	1		2	0	0				0	0	0				2	0	0		
29	2		98	2	0				5	0	0				103	2	0		
14 & 32	4		798	603	0				37	28	0				835	631	0		
E. SUBAREA TOTAL			898	605	0				42	28	0				940	633	0		

*Employment

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 16
C. Year 1980
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
14 & 32	2		211	0	0				132	0	0				343	0	0		
36	1		211	15	170				158	11	128				369	26	298		
E. SUBAREA TOTAL			422	15	170				290	11	128				712	26	298		

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 17
C. Year 1980
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
14 & 32	1		2	0	0				0	0	0				2	0	0		
E. SUBAREA TOTAL			2	0	0				0	0	0				2	0	0		

*Employment

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1985
C. Allocation Order 3

Indust. Proc. Cat.	Source Identification					Process Emission Forecast (tons/yr)												
(1)	(2) Name	(3) Process	(4) Subarea	Coord. X	(5) Y	(6) GF**	Part. Cont.	(7) Emis.	SO_x Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NO_x Cont.	(11) Emis.	(12) Emp.*
20	Coffee Co.	2095	10	742.4	3737.3	1.334		1		0		0					
20	Food Preparation	2099	10	742.3	3739.2	1.334		28		13		0					
20	Brewing Co.	2082	13	742.7	3726.2	1.334		3		25		0					
20	Candle Co.	2094	12	738.9	3741.9	1.334		6		0		0					
	COUNTY TOTAL							38		38		0					

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1985
C. Allocation Order 3

Indust. Proc. Cat.	Source Identification					Process Emission Forecast (tons/yr)												
(1)	(2) Name	(3) Process	(4) Subarea	Coord.	(5)	(6) GF**	Part. Cont.	(7) Emis.	SO_x Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NO_x Cont.	(11) Emis.	(12) Emp.*
26	Paper Bag Co.	2643	13	741.5	3736.5	2.108		0		0		0					
26	Paper Coating Co	2641	12	739.4	3739.0	2.108		2		2		0					
	COUNTY TOTAL							2		2		0					

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1985
C. Allocation Order 3

Indust. Proc. Cat.	Source Identification					Process Emission Forecast (tons/yr)												
(1)	(2) Name	(3) Process	(4) Subarea	Coord. X	(5) Y	(6) GF**	Part. Cont.	(7) Emis.	SO_x Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NO_x Cont.	(11) Emis.	(12) Emp.*
28	Inorganic																
	Pigment Co.	2816	11	740.5	3741.5	2.039		5152		2039		0					
28	Paint Co.	2851	15	738.7	3728.9	2.039		2		0		0					
	COUNTY TOTAL							5154		2039		0					

*Employment
**Growth Factor

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1985
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord. X	(5) Y	(6) GF**	Part. Cont.	(7) Emis.	SO$_x$ Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NO$_x$ Cont.	(11) Emis.	(12) Emp.*
29	Paving Co.	2951	12	740.8	3739.1	2.387		75		0		0					
29	Paving Co.	2951	12	734.6	3740.8	2.387		4		0		0					
29	Paving Co.	2951	15	738.0	3728.0	2.387		5		0		0					
29	Paving Co.	2951	15	735.7	3724.7	2.387		112		2		0					
	COUNTY TOTAL							196		2		0					

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1985
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord.	(5)	(6) GF**	Part. Cont.	(7) Emis.	SO$_x$ Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NO$_x$ Cont.	(11) Emis.	(12) Emp.*
33	Steel Works Co.	3312	11	741.9	3742.1	1.590		5478		46		4865					
33	Iron Foundry	3321	11	744.9	3738.6	1.590		57		2		3496					
33	Steel Works Co.	3312	11	741.0	3741.9	1.590		479		0		4865					
33	Sec. Smelt. Co.	3341	12	739.2	3740.5	1.592		7		364		0					
	COUNTY TOTAL							6021		412		13226					

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1985
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord. X	(5) Y	(6) GF**	Part. Cont.	(7) Emis.	SO$_x$ Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NO$_x$ Cont.	(11) Emis.	(12) Emp.*
36	Electric																
	Machinery Co.	3696	16	727.5	3714.8	2.436		316		22		255					
	COUNTY TOTAL							316		22		255					

*Employment
**Growth Factor

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1985
C. Allocation Order 3

Indust. Proc. Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord. (5)		(6) GF**	Part. (7)		SO$_x$ (8)		CO (9)		HC (10)		NO$_x$ (11)		(12) Emp.*
				X	Y		Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	
32	Brick Co.	3251	12	731.4	3744.4	1.934		5792		0		0					
32	Redi-Mix Concrete	3273	10	742.4	3738.7	1.934		4		0		6					
32	Redi-Mix Concrete	3273	11	740.8	3740.1	1.934		6		0		0					
32	Redi-Mix Concrete	3273	11	743.8	3741.1	1.934		2		0		0					
32	Glass Ctr. Co.	3221	15	739.3	3728.7	1.934		324		351		0					
32	Mineral Wool Co	3296	16	727.5	3714.8	1.934		266		0		0					
32	Redi-Mix Concrete	3273	16	725.6	3716.6	1.934		1		0		0					
32	Redi-Mix Concrete	3273	11	745.4	3739.9	1.934		2		0		0					
32	Redi-Mix Concrete	3273	15	731.8	3726.0	1.934		4		0		0					
32	Redi-Mix Concrete	3273	11	745.5	3737.4	1.934		4		0		0					
32	Redi-Mix Concrete	3273	11	745.5	3737.4	1.934		15		0		0					
32	Flat Glass Co.	3211	15	739.3	3727.8	1.934		613		357		0					
32	Redi-Mix Concrete	3273	15	735.7	3725.1	1.934		4		0		0					
32	Redi-Mix Concrete	3273	17	743.5	3745.1	1.934		2		0		0					
32	Redi-Mix Concrete	3273	13	741.3	3733.3	1.934		2		0		0					
14	Crushed Granite	1423	12	736.9	3741.2	1.934		238		0		0					
	COUNTY TOTAL							7273		708		0					

*Employment
**Growth Factor

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1985
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord. X	(5) Y	(6) GF**	Part. Cont.	(7) Emis.	SOx Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NOx Cont.	(11) Emis.	(12) Emp.*
49	Refuse Systems	4953	14			1.828		0		0		2					
49	U.S. Prison	4953	13	743.8	3733.1	1.828		17		2		27					
49	Steam Supply	4961	12	740.5	3736.6	1.828		3557		881		15					
49	Steam Supply	4961	10	742.1	3737.3	1.828		2111		1612		29					
	COUNTY TOTAL							5685		2495		73					

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1985
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord.	(5)	(6) GF**	Part. Cont.	(7) Emis.	SOx Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NOx Cont.	(11) Emis.	(12) Emp.*
91	U.S. Prison	9100	13	743.8	3733.1	2.138		13		0		13					
(Civil)																	
	COUNTY TOTAL							13		0		13					

Table 3.4-1

Point Source Industrial Process Emissions

A. County Fulton
B. Year 1985
C. Allocation Order 3

Indust. Proc.Cat.	Source Identification					Process Emission Forecast (tons/yr)											
(1)	(2) Name	(3) Process	(4) Subarea	Coord. X	(5) Y	(6) GF**	Part. Cont.	(7) Emis.	SOx Cont.	(8) Emis.	CO Cont.	(9) Emis.	HC Cont.	(10) Emis.	NOx Cont.	(11) Emis.	(12) Emp.*
91	Armed Forces	9100	11	744.3	3737.2	1.0		0		0		0					
91	Armed Forces	9100	14	737.8	3732.2	1.0		2		2		2					
	COUNTY TOTAL							2		2		2					

*Employment
**Growth Factor

Table [illegible]

Industrial Point and New Source Process [illegible] by Process Category

A. County Fulton
B. Year 1985
C. Allocation Order 3

	Baseline Year Existing Point Sources						Forecast Year - All Sources							Forecast Year Existing Point Sources						Forecast Year - New Sources										
(1) Industrial Process Category	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x	(7) Emp*	(8) GF**	(9) Part.	(10) SO_x	(11) CO	(12) HC	(13) NO_x	(14) Emp*	(15) Part.	(16) SO_x	(17) CO	(18) HC	(19) NO_x	(20) Emp*	(21) Part		(22) SO_x		(23) CO		(24) HC		(25) NO_x		(26)
																				Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Emp.*
20	29	29	[illegible]				1.334	39	39	[illegible]				38	38	[illegible]					1		1		0					
26	1	1	[illegible]				2.198	2	2	0				2	2	[illegible]					0		0		0					
28	2528	1005	0				[illegible]	5154	2039	[illegible]				5154	2039	[illegible]					0		0		0					
29	92	1					2.387	[illegible]	2	[illegible]				[illegible]	2	[illegible]					24		0		0					
14 & 32	4541	[illegible]	[illegible]				1.934	8781	748	0				7275	708	[illegible]					1505		40		0					
33	3788	[illegible]	8515				[illegible]	6022	491	13226				6021	412	13226					1		79		0					
36	202	14	163				2.436	492	34	397				316	22	255					176		12		142					
40	3537	1471	42				1.828	6464	2688	77				5685	2495	73					779		193		4					
91 (Civilian)	6	0	6				2.138	13	0	13				13	0	13					0		0		0					
91 (Armed)	2	2	2				1.982	2	2	2				2	2	2					0		0		0					
D. COUNTY TOTAL	14726	3214	8532				▨	27189	[illegible]	13715				[illegible]	5720	13569					2480		325		146					

* Employment
**Growth Factor

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Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 10
C. Year 1985
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Point Source Emp. (3)	New Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
20					0	0	0		
14 & 32					0	0	0		
49					0	0	0		
E. SUBAREA TOTAL					0	0	0		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 11
C. Year 1985
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Source Emp. (3)	Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
28					0	0	0		
14 & 32					0	0	0		
33					0	0	0		
91 (Armed)					0	0	0		
E. SUBAREA TOTAL					0	0	0		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 12
C. Year 1985
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Point Source Emp. (3)	New Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
20					1	0	0		
26					0	0	0		
29					17	0	0		
14 & 32					1318	0	0		
33					1	79	0		
49					778	193	3		
E. SUBAREA TOTAL					2115	272	3		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 13
C. Year 1985
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Source Emp. (3)	Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
20					0	1	0		
26					0	0	0		
14 & 32					0	0	0		
49					1	0	1		
91 (Civil)					0	0	0		
E. SUBAREA TOTAL					1	1	1		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 14
C. Year 1985
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Point Source Emp. (3)	New Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
49					0	0	0		
91 (Armed)					0	0	0		
E. SUBAREA TOTAL					0	0	0		

$$\text{*Employment Allocation Proportion} = \frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 15
C. Year 1985
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Source Emp. (3)	Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
28					0	0	0		
29					7	0	0		
14 & 32					53	40	0		
E. SUBAREA TOTAL					60	40	0		

$$\text{*Employment Allocation Proportion} = \frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 16
C. Year 1985
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Point Source Emp. (3)	New Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
14 & 32					145	0	0		
36					176	12	142		
E. SUBAREA TOTAL					321	12	142		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-3

Process Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 17
C. Year 1975
D. Allocation Order 3

Industrial Process Category (1)	Total Emp. (2)	Source Emp. (3)	Source Emp. (4)	EAP* (5)	New Source Emissions (tons/yr)				
					(6) Part.	(7) SO_x	(8) CO	(9) HC	(10) NO_x
14 & 32					0	0	0		
E. SUBAREA TOTAL					0	0	0		

*Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 10
C. Year 1985
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
20	2		29	13	0				0	0	0				29	13	0		
14 & 32	1		4	0	0				0	0	0				4	0	0		
49	1		2111	1612	29				0	0	0				2111	1612	29		
E. SUBAREA TOTAL			2144	1625	29				0	0	0				2114	1625	29		

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 11
C. Year 1985
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
28	1		5152	2039	0				0	0	0				5152	2039	0		
14 & 32	5		29	0	0				0	0	0				29	0	0		
33	3		6014	48	13226				0	0	0				6014	48	13226		
91 (Armed)	1		0	0	0				0	0	0				0	0	0		
E. SUBAREA TOTAL			11195	2087	13226				0	0	0				11195	2087	13226		

*Employment

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. **County** Fulton
B. **Subarea** 12
C. **Year** 1985
D. **Allocation Order** 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
20	1		6	0	0				1	0	0				7	0	0		
26	1		2	2	0				0	0	0				2	2	0		
29	2		79	0	0				17	0	0				96	0	0		
14 & 32	2		6030	0	0				1318	0	0				7348	0	0		
33	1		7	364	0				1	79	0				8	443	0		
49	1		3557	881	15				778	193	3				4335	1074	18		
E. SUBAREA TOTAL			9681	1247	15				2115	272	3				11796	1519	18		

Table 3.4

Industrial Point and New Source Process Emissions - Subarea Summary

A. **County** Fulton
B. **Subarea** 13
C. **Year** 1985
D. **Allocation Order** 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
20	1		3	25	0				0	1	0				3	26	0		
26	1		0	0	0				0	0	0				0	0	0		
14 & 32	1		2	0	0				0	0	0				2	0	0		
49	1		17	2	27				1	0	1				18	2	28		
91 (Civil)	1		13	0	13				0	0	0				13	0	13		
E. SUBAREA TOTAL			35	27	40				1	1	1				36	28	41		

*Employment

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 14
C. Year 1985
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO$_x$	(6) CO	(7) HC	(8) NO$_x$	(9) Emp.*	(10) Part.	(11) SO$_x$	(12) CO	(13) HC	(14) NO$_x$	(15) Emp.*	(16) Part.	(17) SO$_x$	(18) CO	(19) HC	(20) NO$_x$
49	1		0	0	2				0	0	0				0	0	2		
91 (Armed)	1		2	2	2				0	0	0				2	2	2		
E. SUBAREA TOTAL			2	2	4				0	0	0				2	2	4		

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 15
C. Year 1985
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO$_x$	(6) CO	(7) HC	(8) NO$_x$	(9) Emp.*	(10) Part.	(11) SO$_x$	(12) CO	(13) HC	(14) NO$_x$	(15) Emp.*	(16) Part.	(17) SO$_x$	(18) CO	(19) HC	(20) NO$_x$
28	1		2	0	0				0	0	0				2	0	0		
29	2		117	2	0				7	0	0				124	2	0		
14 & 32	4		937	708	0				53	40	0				990	748	0		
E. SUBAREA TOTAL			1056	710	0				60	40	0				1116	750	0		

*Employment

Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 16
C. Year 1985
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
14 & 32	2		261	0	0				145	0	0				406	0	0		
36	1		316	22	255				176	12	142				492	34	397		
E. SUBAREA TOTAL			577	22	255				321	12	142				898	34	397		

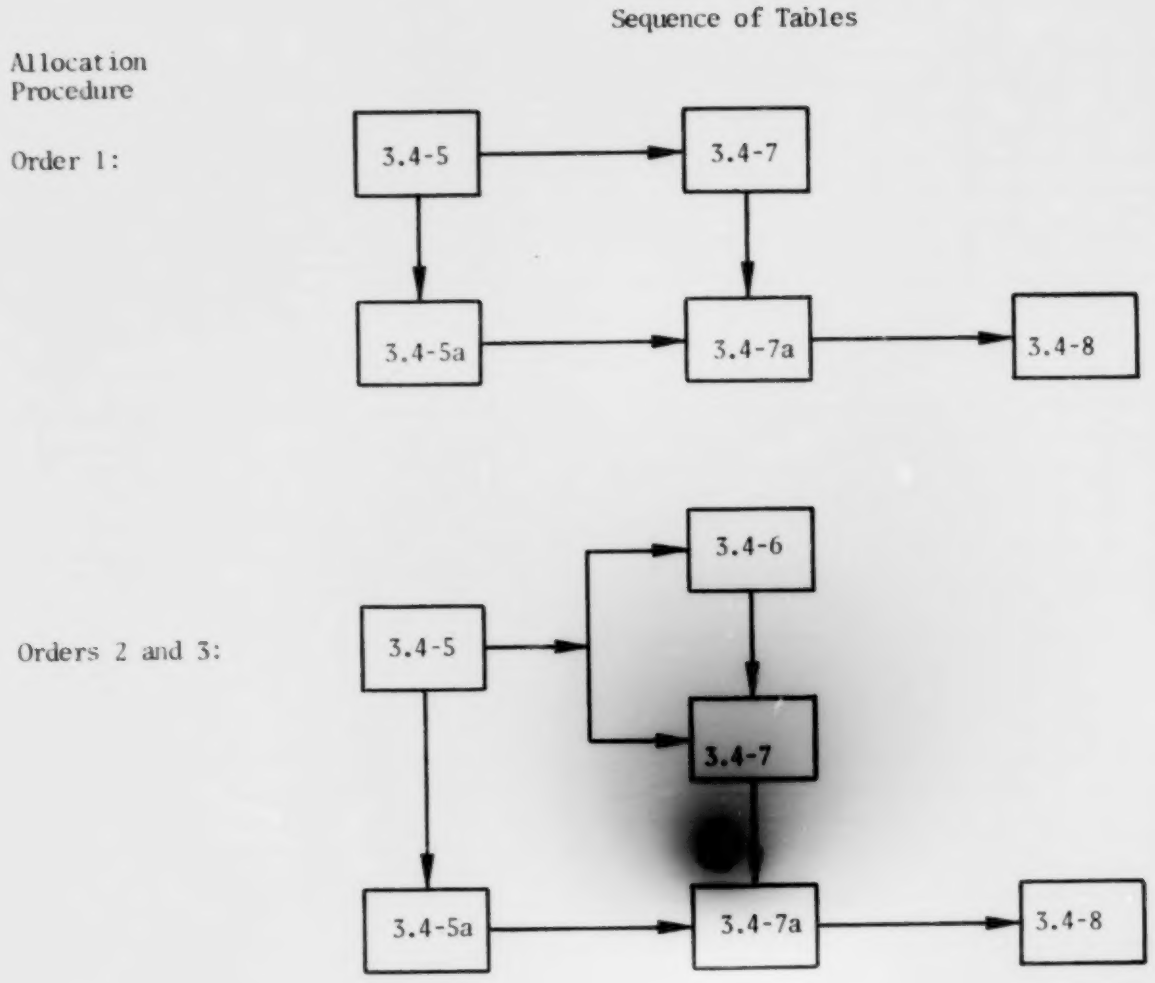
Table 3.4-4

Industrial Point and New Source Process Emissions - Subarea Summary

A. County Fulton
B. Subarea 17
C. Year 1985
D. Allocation Order 3

Industrial Process Category	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
14 & 32	1		2	0	0				0	0	0				2	0	0		
E. SUBAREA TOTAL			2	0	0				0	0	0				2	0	0		

*Employment


Sequence of Tables
Allocation Procedure
Order 1:
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3.4-7a
3.4-8

Fig. 3.4-2 Industrial Fuel Combustion Allocation Table Sequence

Table 3.4-5

Industrial Point Source Fuel Use

A. County Fulton
B. Year 1970
C. Allocation Order 3

(1) Industrial Proc. Cat.	Source Identification					Fuel Demand and Fuel Use Forecast																	
	(2) Name	(3) Proc.	(4) Subarea	Coord. (5) X	Y	(6) GF**	(7) MBTU	(8) Emp.*	(9) COAL	(10) %S	(11) %A	(12) R OIL	(13) %S	(14) D OIL	(15) %S	(16) NG	(17) P GAS	(18) LPG	(19) COKE	(20) WOOD	(21) B-ASSE	(22) DIES	(23) GAS
32	Mineral Wool Co.	3296	16			1.0	1071									1020							
32	Mineral Wool Co.	3296	16			1.0	400									1020							
	COUNTY TOTAL						1471									2040							

Table 3.4-5

Industrial Point Source Fuel Use

A. County Fulton
B. Year 1970
C. Allocation Order 3

(1) Industrial Proc. Cat.	Source Identification					Fuel Demand and Fuel Use Forecast																	
	(2) Name	(3) Proc.	(4) Subarea	Coord. (5) X	Y	(6) GF**	(7) MBTU	(8) Emp.*	(9) COAL	(10) %S	(11) %A	(12) R OIL	(13) %S	(14) D OIL	(15) %S	(16) NG	(17) P GAS	(18) LPG	(19) COKE	(20) WOOD	(21) B-ASSE	(22) DIES	(23) GAS
33	Steel Works Co.	3312	11			1.0	54					360	1										
33	Steel Works Co.	3312	11			1.0	430									430							
	COUNTY TOTAL						484					360	1			430							

Table 3.4-5

Industrial Point Source Fuel Use

A. County Fulton
B. Year 1970
C. Allocation Order 3

(1) Industrial Proc. Cat.	Source Identification					Fuel Demand and Fuel Use Forecast																	
	(2) Name	(3) Proc.	(4) Subarea	Coord. (5) X	Y	(6) GF**	(7) MBTU	(8) Emp.*	(9) COAL	(10) %S	(11) %A	(12) R OIL	(13) %S	(14) D OIL	(15) %S	(16) NG	(17) P GAS	(18) LPG	(19) COKE	(20) WOOD	(21) B-ASSE	(22) DIES	(23) GAS
49	Steam Supply	4961	12			1.0	4566		19856	1.48	12												
49	Steam Supply	4961	10			1.0	7356		29422	1.50	8.2												

*Employment
**Growth Factor

Table 3.4-5

Industrial Point Source Fuel Use

A. County Fulton
B. Year 1970
C. Allocation Order 3

(1) Industrial Proc. Cat.	Source Identification					Fuel Demand and Fuel Use Forecast																	
	(2) Name	(3) Proc.	(4) Subarea	Coord. (5) X	Y	(6) GF**	(7) MBTU	(8) Emp.*	(9) COAL	(10) %S	(11) %A	(12) R OIL	(13) %S	(14) D OIL	(15) %S	(16) NG	(17) P GAS	(18) LPG	(19) COKE	(20) WOOD	(21) B-ASSE	(22) DIES	(23) GAS
91	U. S. Prison	9100	13			1.0	580									580							
(Civil)																							
	COUNTY TOTAL					1.0	580									580							

*Employment
**Growth Factor

Table 3.4-5a (Cont. of 3.4-5)

Industrial Point Source Fuel Combustion Emissions

A. County Fulton
B. Year 1970
C. Allocation Order 3

Industrial Proc. Cat. (1)	Source Identification					Fuel Combustion Emissions Forecast (tons/yr)									
	(2) Name	(3) Process	(4) Subarea	Coord. (5)		Part. (6)		SO_x (7)		CO (8)		HC (9)		NO_x (10)	
				X	Y	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.
32	Mineral Wool Co.	3296	16				9		1		9				
32	Mineral Wool Co.	3296	16				9		1		9				
COUNTY TOTAL							18		2		18				

Table 3.4-5a (Cont. of 3.4-5)

Industrial Point Source Fuel Combustion Emissions

A. County Fulton
B. Year 1970
C. Allocation Order 3

Industrial Proc. Cat. (1)	Source Identification					Fuel Combustion Emissions Forecast (tons/yr)									
	(2) Name	(3) Process	(4) Subarea	Coord. (5)		Part. (6)		SO_x (7)		CO (8)		HC (9)		NO_x (10)	
				X	Y	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.
33	Steel Works Co.	3312	11				4		28		1				
33	Steel Works Co.	3312	11				4		1		4				
COUNTY TOTAL							8		29		5				

Table 3.4-5a (Cont. of 3.4-5)

Industrial Point Source Fuel Combustion Emissions

A. County Fulton
B. Year 1970
C. Allocation Order 3

Industrial Proc. Cat. (1)	Source Identification					Fuel Combustion Emissions Forecast (tons/yr)									
	(2) Name	(3) Process	(4) Subarea	Coord. (5)		Part. (6)		SO_x (7)		CO (8)		HC (9)		NO_x (10)	
				X	Y	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.
49	Steam Supply Co.	4961	12				1906		558		10				
49	Steam Supply Co.	4961	10				1930		839		15				
COUNTY TOTAL							3836		1397		25				

Table 3.4-5a (Cont. of 3.4-5)

Industrial Point Source Fuel Combustion Emissions

A. County Fulton
B. Year 1970
C. Allocation Order 3

Industrial Proc. Cat. (1)	Source Identification					Fuel Combustion Emissions Forecast (tons/yr)									
	(2) Name	(3) Process	(4) Subarea	Coord. (5)		Part. (6)		SO_x (7)		CO (8)		HC (9)		NO_x (10)	
				X	Y	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.
91 (Civil)	U. S. Prison	9100	13				5		1		5				
COUNTY TOTAL							5		1		5				

Table 3.4-6

Industrial Point and New Source Energy Demand by Process Category

A. County Fulton
B. Year 1970
C. Allocation Order 3

Industrial Process Category	Baseline Year Existing Point Sources		Forecast Year - All Sources			Forecast Year Existing Point Sources		Forecast Year New Sources	
(1)	(2) MBTU	(3) Emp.*	(4) GF**	(5) MBTU	(6) Emp.*	(7) MBTU	(8) Emp.*	(9) MBTU	(10) Emp.*
32	1471		1.0			1471		0	
33	484		1.0			484		0	
49	11922		1.0			11922		0	
91	580		1.0			580		0	
Power Generation								▨	▨
Industrial Area						▨	▨		
D. COUNTY TOTAL	14457		▨			14457		0	

*Employment
**Growth Factor

Table 3.4-7

Industrial New Source Fuel Use by Process Category and Subarea

A. County Fulton
B. Subarea 10
C. Year 1970
D. Allocation Order 3

Industrial Process Category (1)	Total Emp.* (2)	Point Source Emp.* (3)	New Source Emp.* (4)	EAP** (5)	Fuel Demand and Fuel Use Forecast																
					(6) MBTU	(7) COAL	(8) %S	(9) %A	(10) R OIL	(11) %S	(12) D OIL	(13) %S	(14) NG	(15) P GAS	(16) LPG	(17) COKE	(18) WOOD	(19) B-ASSE	(20) DIES	(21) GAS	
40					0	0															
Power Generation																					
Industrial Area																					
E. SUBAREA TOTAL					0	0															

Table 3.4-7

Industrial New Source Fuel Use by Process Category and Subarea

A. County Fulton
B. Subarea 11
C. Year 1970
D. Allocation Order 3

Industrial Process Category (1)	Total Emp.* (2)	Point Source Emp.* (3)	New Source Emp.* (4)	EAP** (5)	Fuel Demand and Fuel Use Forecast																
					(6) MBTU	(7) COAL	(8) %S	(9) %A	(10) R OIL	(11) %S	(12) D OIL	(13) %S	(14) NG	(15) P GAS	(16) LPG	(17) COKE	(18) WOOD	(19) B-ASSE	(20) DIES	(21) GAS	
55					0				0				0								
Power Generation																					
Industrial Area																					
E. SUBAREA TOTAL					0				0				0								

Table 3.4-7

Industrial New Source Fuel Use by Process Category and Subarea

A. County Fulton
B. Subarea 12
C. Year 1970
D. Allocation Order 3

Industrial Process Category (1)	Total Emp.* (2)	Point Source Emp.* (3)	New Source Emp.* (4)	EAP** (5)	Fuel Demand and Fuel Use Forecast																
					(6) MBTU	(7) COAL	(8) %S	(9) %A	(10) R OIL	(11) %S	(12) D OIL	(13) %S	(14) NG	(15) P GAS	(16) LPG	(17) COKE	(18) WOOD	(19) B-ASSE	(20) DIES	(21) GAS	
40					0	0															
Power Generation																					
Industrial Area																					
E. SUBAREA TOTAL					0	0															

*Employment

**Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$. This value may be obtained from Table 3.4-3.

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Table 3.4-7

Industrial New Source Fuel Use by Process Category and Subarea

A. County Fulton
B. Subarea 13
C. Year 1970
D. Allocation Order 3

Industrial Process Category (1)	Total Emp.* (2)	Point Source Emp.* (3)	New Source Emp.* (4)	EAP** (5)	Fuel Demand and Fuel Use Forecast																
					(6) MBTU	(7) COAL	(8) %S	(9) %A	(10) R OIL	(11) %S	(12) D OIL	(13) %S	(14) NG	(15) P GAS	(16) LPG	(17) COKE	(18) WOOD	(19) B-ASSE	(20) DIES	(21) GAS	
91 (Civil)					0								0								
Power Generation																					
Industrial Area																					
E. SUBAREA TOTAL					0								0								

Table 3.4-7

Industrial New Source Fuel Use by Process Category and Subarea

A. County Fulton
B. Subarea 16
C. Year 1970
D. Allocation Order 3

Industrial Process Category (1)	Total Emp.* (2)	Point Source Emp.* (3)	New Source Emp.* (4)	EAP** (5)	Fuel Demand and Fuel Use Forecast																
					(6) MBTU	(7) COAL	(8) %S	(9) %A	(10) R OIL	(11) %S	(12) D OIL	(13) %S	(14) NG	(15) P GAS	(16) LPG	(17) COKE	(18) WOOD	(19) B-ASSE	(20) DIES	(21) GAS	
32					0								0								
Power Generation																					
Industrial Area																					
E. SUBAREA TOTAL					0								0								

*Employment

**Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$ This value may be obtained from Table 3.4-3.

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Table 3.4-7a (Cont. of 3.4-7)

Industrial New Source Fuel Combustion Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 10
C. Year 1970
D. Allocation Order 3

Industrial Process Category (1)	New Source Emissions (tons/yr)									
	Part.	(2)	SO$_x$	(3)	CO	(4)	HC	(5)	NO$_x$	(6)
	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.
49		0		0		0				
Power Generation										
Industrial Area										
I. COUNTY TOTAL		0		0		0				

Table 3.4-7A (Cont. of 3.4-7)

Industrial New Source Fuel Combustion Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 11
C. Year 1970
D. Allocation Order 3

Industrial Process Category (1)	New Source Emissions (tons/yr)									
	Part.	(2)	SO$_x$	(3)	CO	(4)	HC	(5)	NO$_x$	(6)
	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.
33		0		0		0				
Power Generation										
Industrial Area										
I. COUNTY TOTAL		0		0		0				

Table 3.4-7A (Cont. of 3.4-7)

Industrial New Source Fuel Combustion Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 12
C. Year 1970
D. Allocation Order 3

Industrial Process Category (1)	New Source Emissions (tons/yr)									
	Part.	(2)	SO$_x$	(3)	CO	(4)	HC	(5)	NO$_x$	(6)
	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.
49		0		0		0				
Power Generation										
Industrial Area										
I. COUNTY TOTAL		0		0		0				

*When following an Order 1 allocation procedure, only the "Industrial Area" row of this table will be used.

Table 3.4-7a (Cont. of 3.4-7)

Industrial New Source Fuel Combustion Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 13
C. Year 1970
D. Allocation Order 3

Industrial Process Category (1)	New Source Emissions (tons/yr)									
	Part. (2)		SO_x (3)		CO (4)		HC (5)		NO_x (6)	
	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.
91 (Civil)		0		0		0				
Power Generation										
Industrial Area										
E. COUNTY TOTAL		0		0		0				

Table 3.4-7A (Cont. of 3.4-7)

Industrial New Source Fuel Combustion Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 16
C. Year 1970
D. Allocation Order 3

Industrial Process Category (1)	New Source Emissions (tons/yr)									
	Part. (2)		SO_x (3)		CO (4)		HC (5)		NO_x (6)	
	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.
32		0		0		0				
Power Generation										
Industrial Area										
E. COUNTY TOTAL		0		0		0				

*When following an Order 1 allocation procedure, only the "Industrial Area" row of this table will be used.

Table 3.4-8

Industrial Point and New Source Fuel Combustion Emissions - Subarea Summary

A. County Fulton
B. Subarea 10
C. Year 1970
D. Allocation Order 3

Subarea	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
49	1		1930	839	15				0	0	0				1930	839	15		
COUNTY TOTAL			1930	839	15				0	0	0				1930	839	15		

Table 3.4-8

Industrial Point and New Source Fuel Combustion Emissions - Subarea Summary

A. County Fulton
B. Subarea 11
C. Year 1970
D. Allocation Order 3

Subarea	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
33	2		8	29	5				0	0	0				8	29	5		
COUNTY TOTAL			8	29	5				0	0	0				8	29	5		

Table 3.4-8

Industrial Point and New Source Fuel Combustion Emissions - Subarea Summary

A. County Fulton
B. Subarea 12
C. Year 1970
D. Allocation Order 3

Subarea	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
49	1		1906	558	10				0	0	0				1906	558	10		
COUNTY TOTAL			1906	558	10				0	0	0				1906	558	10		

*Employment

Table 3.4-8

Industrial Point and New Source Fuel Combustion Emissions - Subarea Summary

A. County Fulton
B. Subarea 13
C. Year 1970
D. Allocation Order 3

Subarea	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
91 (Civil)	1		5	1	5				0	0	0				5	1	5		
COUNTY TOTAL			5	1	5				0	0	0				5	1	5		

Table 3.4-8

Industrial Point and New Source Fuel Combustion Emissions - Subarea Summary

A. County Fulton
B. Subarea 16
C. Year 1970
D. Allocation Order 3

Subarea	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
32	2		18	2	18				0	0	0				18	2	18		
COUNTY TOTAL			18	2	18				0	0	0				18	2	18		

*Employment

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Table 3.4-5
Industrial Point Source Fuel Use

A. County Fulton
B. Year 1975
C. Allocation Order 3

(1) Industrial Proc. Cat.	Source Identification					Fuel Demand and Fuel Use Forecast																	
	(2) Name	(3) Proc.	(4) Subarea	Coord. (5)		(6) GF**	(7) MBTU	(8) Emp.*	(9) COAL	(10) %S	(11) %A	(12) R OIL	(13) %S	(14) D OIL	(15) %S	(16) NG	(17) P GAS	(18) LPG	(19) COKE	(20) WOOD	(21) B-ASSE	(22) DIES	(23) GAS
				X	Y																		
91	U. S. Prison	9100	13			1.269	736									736							
	COUNTY TOTAL					1.269	736									736							

*Employment
**Growth Factor

Table 3.4-5a (Cont. of 3.4-5)

Industrial Point Source Fuel Combustion Emissions

A. County Fulton
B. Year 1975
C. Allocation Order 3

Industrial Proc. Cat. (1)	Source Identification					Fuel Combustion Emissions Forecast (tons/yr)									
	(2) Name	(3) Process	(4) Subarea	Coord. (5)		Part. (6)		SO_x (7)		CO (8)		HC (9)		NO_x (10)	
				X	Y	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.
32	Mineral Wool Company	3296	16				9		1		9				
32	Mineral Wool Company	3296	16				9		1		9				
	COUNTY TOTAL						18		2		18				

Table 3.4-5a (Cont. of 3.4-5)

Industrial Point Source Fuel Combustion Emissions

A. County Fulton
B. Year 1975
C. Allocation Order 3

Industrial Proc. Cat. (1)	Source Identification					Fuel Combustion Emissions Forecast (tons/yr)									
	(2) Name	(3) Process	(4) Subarea	Coord. (5)		Part. (6)		SO_x (7)		CO (8)		HC (9)		NO_x (10)	
				X	Y	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.
33	Steel Works Company	3312	11				5		32		1				
33	Steel Works Company	3312	11				4		1		5				
	COUNTY TOTAL						9		33		6				

Table 3.4-5a (Cont. of 3.4-5)

Industrial Point Source Fuel Combustion Emissions

A. County Fulton
B. Year 1975
C. Allocation Order 3

Industrial Proc. Cat. (1)	Source Identification					Fuel Combustion Emissions Forecast (tons/yr)									
	(2) Name	(3) Process	(4) Subarea	Coord. (5)		Part. (6)		SO_x (7)		CO (8)		HC (9)		NO_x (10)	
				X	Y	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.
49	Steam Supply	4961	12				1906		558		10				
49	Steam Supply	4961	10				2324		1010		18				
	COUNTY TOTAL						4230		1568		28				

Table 3.4-5a (Cont. of 3.4-5)

Industrial Point Source Fuel Combustion Emissions

A. County Fulton
B. Year 1975
C. Allocation Order 3

Industrial Proc. Cat. (1)	Source Identification					Fuel Combustion Emissions Forecast (tons/yr)									
	(2) Name	(3) Process	(4) Subarea	Coord. (5)		Part. (6)		SO_x (7)		CO (8)		HC (9)		NO_x (10)	
				X	Y	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.
91 (Civil)	U. S. Prison	9100	13				6		1		6				
	COUNTY TOTAL						6		1		6				

Table 3.4-6

Industrial Point and New Source Energy Demand by Process Category

A. County Fulton
B. Year 1975
C. Allocation Order 3

Industrial Process Category (1)	Baseline Year Existing Point Sources		Forecast Year - All Sources			Forecast Year Existing Point Sources		Forecast Year New Sources	
	(2) MBTU	(3) Emp.*	(4) GF**	(5) MBTU	(6) Emp.*	(7) MBTU	(8) Emp.*	(9) MBTU	(10) Emp.*
32	1471		1.289	1896		1469		427	
33	484		1.124	544		544		0	
49	11922		1.204	14354		13145		1209	
91	580		1.269	736		714		22	
Power Generation								▨	▨
Industrial Area						▨	▨		
D. COUNTY TOTAL	14457		▨	17530		15872		1658	

*Employment
**Growth Factor

Table 3.4-7

Industrial New Source Fuel Use By Process Category and Subarea

A. County Fulton
B. Subarea 10
C. Year 1975
D. Allocation Order 3

Industrial Process Category (1)	Total Emp.* (2)	Point Source Emp.* (3)	New Source Emp.* (4)	EAP** (5)	Fuel Demand and Fuel Use Forecast																
					(6) MBTU	(7) COAL	(8) $S	(9) $A	(10) R OIL	(11) $S	(12) D OIL	(13) $S	(14) NG	(15) P GAS	(16) LPG	(17) COKE	(18) WOOD	(19) B-ASSE	(20) DIES	(21) GAS	
49					0	0															
Power Generation																					
Industrial Area																					
E. SUBAREA TOTAL					0	0															

Table 3.4-7

Industrial New Source Fuel Use by Process Category and Subarea

A. County Fulton
B. Subarea 11
C. Year 1975
D. Allocation Order 3

Industrial Process Category (1)	Total Emp.* (2)	Point Source Emp.* (3)	New Source Emp.* (4)	EAP** (5)	Fuel Demand and Fuel Use Forecast																
					(6) MBTU	(7) COAL	(8) $S	(9) $A	(10) R OIL	(11) $S	(12) D OIL	(13) $S	(14) NG	(15) P GAS	(16) LPG	(17) COKE	(18) WOOD	(19) B-ASSE	(20) DIES	(21) GAS	
33					0				0				0								
Power Generation																					
Industrial Area																					
E. SUBAREA TOTAL					0				0				0								

*Employment

**Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$ This value may be obtained from Table 3.4-3.

Table 3.4-7

Industrial New Source Fuel Use By Process Category and Subarea

A. County Fulton
B. Subarea 12
C. Year 1975
D. Allocation Order 3

Industrial Process Category (1)	Total Emp.* (2)	Point Source Emp.* (3)	New Source Emp.* (4)	EAP** (5)	Fuel Demand and Fuel Use Forecast																
					(6) MBTU	(7) COAL	(8) $S	(9) $A	(10) R OIL	(11) $S	(12) D OIL	(13) $S	(14) NG	(15) P GAS	(16) LPG	(17) COKE	(18) WOOD	(19) B-ASSE	(20) DIES	(21) GAS	
49					1209	4054	1.48	12.0													
Power Generation																					
Industrial Area																					
E. SUBAREA TOTAL					1209	4054	1.48	12.0													

Table 3.4-7

Industrial New Source Fuel Use by Process Category and Subarea

A. County Fulton
B. Subarea 13
C. Year 1975
D. Allocation Order 3

Industrial Process Category (1)	Total Emp.* (2)	Point Source Emp.* (3)	New Source Emp.* (4)	EAP** (5)	Fuel Demand and Fuel Use Forecast																
					(6) MBTU	(7) COAL	(8) $S	(9) $A	(10) R OIL	(11) $S	(12) D OIL	(13) $S	(14) NG	(15) P GAS	(16) LPG	(17) COKE	(18) WOOD	(19) B-ASSE	(20) DIES	(21) GAS	
91 (Civil)					22								22								
Power Generation																					
Industrial Area																					
E. SUBAREA TOTAL					22								22								

Table 3.4-7

Industrial New Source Fuel Use by Process Category and Subarea

A. County Fulton
B. Subarea 16
C. Year 1975
D. Allocation Order 3

Industrial Process Category (1)	Total Emp.* (2)	Point Source Emp.* (3)	New Source Emp.* (4)	EAP** (5)	Fuel Demand and Fuel Use Forecast																
					(6) MBTU	(7) COAL	(8) $S	(9) $A	(10) R OIL	(11) $S	(12) D OIL	(13) $S	(14) NG	(15) P GAS	(16) LPG	(17) COKE	(18) WOOD	(19) B-ASSE	(20) DIES	(21) GAS	
32					427								592								
Power Generation																					
Industrial Area																					
E. SUBAREA TOTAL					427								592								

*Employment

**Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$ This value may be obtained from Table 3.4-3.

Table 3.4-7a (Cont. of 3.4-7)

Industrial New Source Fuel Combustion Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 10
C. Year 1975
D. Allocation Order 3

Industrial Process Category (1)	New Source Emissions (tons/yr)									
	Part. (2)		SO_x (3)		CO (4)		HC (5)		NO_x (6)	
	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.
49		0		0		0				
Power Generation										
Industrial Area										
E. COUNTY TOTAL		0		0		0				

Table 3.4-7A (Cont. of 3.4-7)

Industrial New Source Fuel Combustion Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 11
C. Year 1975
D. Allocation Order 3

Industrial Process Category (1)	New Source Emissions (tons/yr)									
	Part. (2)		SO_x (3)		CO (4)		HC (5)		NO_x (6)	
	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.
33		0		0		0				
Power Generation										
Industrial Area										
E. COUNTY TOTAL		0		0		0				

*When following an Order 1 allocation procedure, only the "Industrial Area" row of this table will be used.

Table 3.4-7a (Cont. of 3.4-7)

Industrial New Source Fuel Combustion Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 12
C. Year 1975
D. Allocation Order 3

Industrial Process Category (1)	New Source Emissions (tons/yr)									
	Part. (2)		SO_x (3)		CO (4)		HC (5)		NO_x (6)	
	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.
49		389		114		2				
Power Generation										
Industrial Area										
E. COUNTY TOTAL		389		114		2				

Table 3.4-7A (Cont. of 3.4-7)

Industrial New Source Fuel Combustion Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 13
C. Year 1975
D. Allocation Order 3

Industrial Process Category (1)	New Source Emissions (tons/yr)									
	Part. (2)		SO_x (3)		CO (4)		HC (5)		NO_x (6)	
	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.
91 (Civil)		0		0		0				
Power Generation										
Industrial Area										
E. COUNTY TOTAL		0		0		0				

Table 3.4-7A (Cont. of 3.4-7)

Industrial New Source Fuel Combustion Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 16
C. Year 1975
D. Allocation Order 3

Industrial Process Category (1)	New Source Emissions (tons/yr)									
	Part. (2)		SO_x (3)		CO (4)		HC (5)		NO_x (6)	
	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.
32		5		1		5				
Power Generation										
Industrial Area										
E. COUNTY TOTAL		5		1		5				

*When following an Order 1 allocation procedure, only the "Industrial Area" row of this table will be used.

Table 3.4-8

Industrial Point and New Source Fuel Combustion Emissions - Subarea Summary

A. County Fulton
B. Subarea 10
C. Year 1975
D. Allocation Order 3

Subarea	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
49	1		2324	1010	18				0	0	0				2324	1010	18		
COUNTY TOTAL			2324	1010	18				0	0	0				2324	1010	18		

Table 3.4-8

Industrial Point and New Source Fuel Combustion Emissions - Subarea Summary

A. County Fulton
B. Subarea 11
C. Year 1975
D. Allocation Order 3

Subarea	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
33	2		9	33	6				0	0	0				9	33	6		
COUNTY TOTAL			9	33	6				0	0	0				9	33	6		

Table 3.4-8

Industrial Point and New Source Fuel Combustion Emissions - Subarea Summary

A. County Fulton
B. Subarea 12
C. Year 1975
D. Allocation Order 3

Subarea	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
49	1		1906	558	10				389	114	2				2295	672	12		
COUNTY TOTAL			1906	558	10				389	114	2				2295	672	12		

*Employment

Table 3.4-8

Industrial Point and New Source Fuel Combustion Emissions - Subarea Summary

A. County Fulton
B. Subarea 13
C. Year 1975
D. Allocation Order 3

Subarea	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
91 (Civil)	1		6	1	6				0	0	0				6	1	6		
COUNTY TOTAL			6	1	6				0	0	0				6	1	6		

Table 3.4-8

Industrial Point and New Source Fuel Combustion Emissions - Subarea Summary

A. County Fulton
B. Subarea 16
C. Year 1975
D. Allocation Order 3

Subarea	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
32	2		18	2	18				5	1	5				23	3	23		
COUNTY TOTAL			18	2	18				5	1	5				23	3	23		

*Employment

Table 3.4-5

Industrial Point Source Fuel Use

A. County Fulton
B. Year 1980
C. Allocation Order 3

(1) Industrial Proc. Cat.	Source Identification					Fuel Demand and Fuel Use Forecast																	
	(2) Name	(3) Proc.	(4) Subarea	Coord. X	(5) Y	(6) GF**	(7) MBTU	(8) Emp.*	(9) COAL	(10) %S	(11) %A	(12) R OIL	(13) %S	(14) D OIL	(15) %S	(16) NG	(17) P GAS	(18) LPG	(19) COKE	(20) WOOD	(21) B-ASSE	(22) DIES	(23) GAS
32	Mineral Wool Co.	3296	16			1.63	1746									1663							
32	Mineral Wool Co.	3296	16			1.63	652									1662							
	COUNTY TOTAL					1.63	2398									3325							

Table 3.4-5

Industrial Point Source Fuel Use

A. County Fulton
B. Year 1980
C. Allocation Order 3

(1) Industrial Proc. Cat.	Source Identification					Fuel Demand and Fuel Use Forecast																	
	(2) Name	(3) Proc.	(4) Subarea	Coord. X	(5) Y	(6) GF**	(7) MBTU	(8) Emp.*	(9) COAL	(10) %S	(11) %A	(12) R OIL	(13) %S	(14) D OIL	(15) %S	(16) NG	(17) P GAS	(18) LPG	(19) COKE	(20) WOOD	(21) B-ASSE	(22) DIES	(23) GAS
33	Steel Works Co.	3312	11			1.348	73					485	1										
33	Steel Works Co.	3312	11			1.348	579									580							
	COUNTY TOTAL					1.348	652					485	1			580							

Table 3.4-5

Industrial Point Source Fuel Use

A. County Fulton
B. Year 1980
C. Allocation Order 3

(1) Industrial Proc. Cat.	Source Identification					Fuel Demand and Fuel Use Forecast																	
	(2) Name	(3) Proc.	(4) Subarea	Coord. X	(5) Y	(6) GF**	(7) MBTU	(8) Emp.*	(9) COAL	(10) %S	(11) %A	(12) R OIL	(13) %S	(14) D OIL	(15) %S	(16) NG	(17) P GAS	(18) LPG	(19) COKE	(20) WOOD	(21) B-ASSE	(22) DIES	(23) GAS
49	Steam Supply	4961	12			1.483	6771		29446	1.48	12												
49	Steam Supply	4961	10			1.483	10909		43633	1.50	8.2												
	COUNTY TOTAL					1.483	17680		73079	1.49													

*Employment
**Growth Factor

Table 3.4-5

Industrial Point Source Fuel Use

A. County Fulton
B. Year 1980
C. Allocation Order 3

	Source Identification					Fuel Demand and Fuel Use Forecast																		
(1) Industrial Proc. Cat.	(2) Name	(3) Proc.	(4) Subarea	Coord. (5)		(6) GF**	(7) MBTU	(8) Emp.*	(9) COAL	(10) %S	(11) %A	(12) R OIL	(13) %S	(14) D OIL	(15) %S	(16) NG	(17) P GAS	(18) LPG	(19) COKE	(20) WOOD	(21) B-ASSE	(22) DIES	(23) GAS
				X	Y																		
91 (Civil)	U.S. Prison	9100	13			1.672	970									970							
	COUNTY TOTAL					1.672	970									970							

*Employment
**Growth Factor

Table 3.4-5a (Cont. of 3.4-5)

Industrial Point Source Fuel Combustion Emissions

A. County Fulton
B. Year 1980
C. Allocation Order 3

Industrial Proc. Cat. (1)	Source Identification					Fuel Combustion Emissions Forecast (tons/yr)									
	(2) Name	(3) Process	(4) Subarea	Coord. (5)		Part. (6)		SO_x (7)		CO (8)		HC (9)		NO_x (10)	
				X	Y	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.
32	Mineral Wool Company	3296	16				9		1		9				
32	Mineral Wool Company	3296	16				9		1		9				
	COUNTY TOTAL						18		2		18				

Table 3.4-5a (Cont. of 3.4-5)

Industrial Point Source Fuel Combustion Emissions

A. County Fulton
B. Year 1980
C. Allocation Order 3

Industrial Proc. Cat. (1)	Source Identification					Fuel Combustion Emissions Forecast (tons/yr)									
	(2) Name	(3) Process	(4) Subarea	Coord. (5)		Part. (6)		SO_x (7)		CO (8)		HC (9)		NO_x (10)	
				X	Y	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.
33	Steel Works Company	3312	11				6		38		1				
33	Steel Works Company	3312	11				5		1		6				
	COUNTY TOTAL						11		39		7				

Table 3.4-5a (Cont. of 3.4-5)

Industrial Point Source Fuel Combustion Emissions

A. County Fulton
B. Year 1980
C. Allocation Order 3

Industrial Proc. Cat. (1)	Source Identification					Fuel Combustion Emissions Forecast (tons/yr)									
	(2) Name	(3) Process	(4) Subarea	Coord. (5)		Part. (6)		SO_x (7)		CO (8)		HC (9)		NO_x (10)	
				X	Y	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.
49	Steam Supply	4961	12				2269		665		12				
49	Steam Supply	4961	10				2862		1244		22				
	COUNTY TOTAL						5131		1909		34				

Table 3.4-5a (Cont. of 3.4-5)

Industrial Point Source Fuel Combustion Emissions

A. County Fulton
B. Year 1980
C. Allocation Order: 3

Industrial Proc. Cat. (1)	Source Identification					* Fuel Combustion Emissions Forecast (tons/yr)									
	(2) Name	(3) Process	(4) Subarea	Coord. (5)		Part. (6)		SO_x (7)		CO (8)		HC (9)		NO_x (10)	
				X	Y	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.
91 (Civil)	U. S. Prison	9100	13				8		2		8				
	COUNTY TOTAL						8		2		8				

Table 3.4-6

Industrial Point and New Source Energy Demand by Process Category

A. County Fulton
B. Year 1980
C. Allocation Order 3

Industrial Process Category	Baseline Year Existing Point Sources		Forecast Year - All Sources			Forecast Year Existing Point Sources		Forecast Year New Sources	
(1)	(2) MBTU	(3) Emp.*	(4) GF**	(5) MBTU	(6) Emp.*	(7) MBTU	(8) Emp.*	(9) MBTU	(10) Emp.*
32	1471		1.630	2398		1473		925	
33	484		1.348	652		652		0	
49	11922		1.483	17680		15946		1734	
91	580		1.672	970		941		29	
Power Generation								▨	▨
Industrial Area						▨	▨		
D. COUNTY TOTAL	14457		▨	21700		19012		2688	

*Employment
**Growth Factor

Table 3.4-7

Industrial New Source Fuel Use By Process Category and Subarea

A. County Fulton
B. Subarea 10
C. Year 1980
D. Allocation Order 3

Industrial Process Category (1)	Total Emp.* (2)	Point Source Emp.* (3)	New Source Emp.* (4)	EAP** (5)	Fuel Demand and Fuel Use Forecast																
					(6) MBTU	(7) COAL	(8) $S	(9) $A	(10) R OIL	(11) $S	(12) D OIL	(13) $S	(14) NG	(15) P GAS	(16) LPG	(17) COKE	(18) WOOD	(19) B-ASSE	(20) DIES	(21) GAS	
49					0	0															
Power Generation																					
Industrial Area																					
E. SUBAREA TOTAL					0	0															

Table 3.4-7

Industrial New Source Fuel Use by Process Category and Subarea

A. County Fulton
B. Subarea 11
C. Year 1980
D. Allocation Order 3

Industrial Process Category (1)	Total Emp.* (2)	Point Source Emp.* (3)	New Source Emp.* (4)	EAP** (5)	Fuel Demand and Fuel Use Forecast																
					(6) MBTU	(7) COAL	(8) $S	(9) $A	(10) R OIL	(11) $S	(12) D OIL	(13) $S	(14) NG	(15) P GAS	(16) LPG	(17) COKE	(18) WOOD	(19) B-ASSE	(20) DIES	(21) GAS	
33					0				0				0								
Power Generation																					
Industrial Area																					
E. SUBAREA TOTAL					0				0				0								

---

*Employment

**Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$ This value may be obtained from Table 3.4-3.

Table 3.4-7

Industrial New Source Fuel Use By Process Category and Subarea

A. County Fulton
B. Subarea 12
C. Year 1980
D. Allocation Order 3

Industrial Process Category (1)	Total Emp.* (2)	Point Source Emp.* (3)	New Source Emp.* (4)	EAP** (5)	Fuel Demand and Fuel Use Forecast																
					(6) MBTU	(7) COAL	(8) $S	(9) $A	(10) R OIL	(11) $S	(12) D OIL	(13) $S	(14) NG	(15) P GAS	(16) LPG	(17) COKE	(18) WOOD	(19) B-ASSE	(20) DIES	(21) GAS	
49					1734	5815	1.48	12.0													
Power Generation																					
Industrial Area																					
E. SUBAREA TOTAL					1734	5815	1.48	12.0													

Table 3.4-7

Industrial New Source Fuel Use by Process Category and Subarea

A. County Fulton
B. Subarea 13
C. Year 1980
D. Allocation Order 3

Industrial Process Category (1)	Total Emp.* (2)	Point Source Emp.* (3)	New Source Emp.* (4)	EAP** (5)	Fuel Demand and Fuel Use Forecast																
					(6) MBTU	(7) COAL	(8) $S	(9) $A	(10) R OIL	(11) $S	(12) D OIL	(13) $S	(14) NG	(15) P GAS	(16) LPG	(17) COKE	(18) WOOD	(19) B-ASSE	(20) DIES	(21) GAS	
91 (Civil)					29								29								
Power Generation																					
Industrial Area																					
E. SUBAREA TOTAL					29								29								

Table 3.4-7

Industrial New Source Fuel Use by Process Category and Subarea

A. County Fulton
B. Subarea 16
C. Year 1980
D. Allocation Order 3

Industrial Process Category (1)	Total Emp.* (2)	Point Source Emp.* (3)	New Source Emp.* (4)	EAP** (5)	Fuel Demand and Fuel Use Forecast																
					(6) MBTU	(7) COAL	(8) $S	(9) $A	(10) R OIL	(11) $S	(12) D OIL	(13) $S	(14) NG	(15) P GAS	(16) LPG	(17) COKE	(18) WOOD	(19) B-ASSE	(20) DIES	(21) GAS	
32					925								1282								
Power Generation																					
Industrial Area																					
E. SUBAREA TOTAL					925								1282								

*Employment
**Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$ This value may be obtained from Table 3.4-3.

Table 3.4-7a (Cont. of 3.4-7)

Industrial New Source Fuel Combustion Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 10
C. Year 1980
D. Allocation Order 3

Industrial Process Category (1)	New Source Emissions (tons/yr)									
	Part.	(2)	SO$_x$	(3)	CO	(4)	HC	(5)	NO$_x$	(6)
	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.
49		0		0		0				
Power Generation										
Industrial Area										
E. COUNTY TOTAL		0		0		0				

Table 3.4-7A (Cont. of 3.4-7)

Industrial New Source Fuel Combustion Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 11
C. Year 1980
D. Allocation Order 3

Industrial Process Category (1)	New Source Emissions (tons/yr)									
	Part.	(2)	SO$_x$	(3)	CO	(4)	HC	(5)	NO$_x$	(6)
	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.
33		0		0		0				
Power Generation										
Industrial Area										
E. COUNTY TOTAL		0		0		0				

*When following an Order 1 allocation procedure, only the "Industrial Area" row of this table will be used.

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Table 3.4-7a (Cont. of 3.4-7)

Industrial New Source Fuel Combustion Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 12
C. Year 1980
D. Allocation Order 3

Industrial Process Category (1)	New Source Emissions (tons/yr)									
	Part. (2)		SO_x (3)		CO (4)		HC (5)		NO_x (6)	
	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.
49		558		163		3				
Power Generation										
Industrial Area										
E. COUNTY TOTAL		558		163		3				

Table 3.4-7A (Cont. of 3.4-7)

Industrial New Source Fuel Combustion Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 13
C. Year 1980
D. Allocation Order 3

Industrial Process Category (1)	New Source Emissions (tons/yr)									
	Part. (2)		SO_x (3)		CO (4)		HC (5)		NO_x (6)	
	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.
91 (Civil)		0		0		0				
Power Generation										
Industrial Area										
E. COUNTY TOTAL		0		0		0				

Table 3.4-7A (Cont. of 3.4-7)

Industrial New Source Fuel Combustion Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 16
C. Year 1980
D. Allocation Order 3

Industrial Process Category (1)	New Source Emissions (tons/yr)									
	Part. (2)		SO_x (3)		CO (4)		HC (5)		NO_x (6)	
	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.
32		11		1		11				
Power Generation										
Industrial Area										
E. COUNTY TOTAL		11		1		11				

*When following an Order 1 allocation procedure, only the "Industrial Area" row of this table will be used.

Table 3.4-8

Industrial Point and New Source Fuel Combustion Emissions - Subarea Summary

A. County Fulton
B. Subarea 10
C. Year 1980
D. Allocation Order 3

Subarea	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Imp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Imp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Imp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
49	1		2862	1244	22				0	0	0				2862	1244	22		
COUNTY TOTAL			2862	1244	22				0	0	0				2862	1244	22		

Table 3.4-8

Industrial Point and New Source Fuel Combustion Emissions - Subarea Summary

A. County Fulton
B. Subarea 11
C. Year 1980
D. Allocation Order 3

Subarea	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Imp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Imp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Imp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
33	2		11	39	7				0	0	0				11	39	7		
COUNTY TOTAL			11	39	7				0	0	0				11	39	7		

Table 3.4-8

Industrial Point and New Source Fuel Combustion Emissions - Subarea Summary

A. County Fulton
B. Subarea 12
C. Year 1980
D. Allocation Order 3

Subarea	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Imp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Imp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Imp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
49	1		2269	665	12				558	163	3				2827	828	15		
COUNTY TOTAL			2269	665	12				558	163	3				2827	828	15		

*Unknown

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Table 3.4-8

Industrial Point and New Source Fuel Combustion Emissions - Subarea Summary

A. County Fulton
B. Subarea 15
C. Year 1980
D. Allocation Order 3

Subarea	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
21 (Civil)	1		8	2	8				0	0	0				8	2	8		
COUNTY TOTAL			8	2	8				0	0	0				8	2	8		

Table 3.4-8

Industrial Point and New Source Fuel Combustion Emissions - Subarea Summary

A. County Fulton
B. Subarea 16
C. Year 1980
D. Allocation Order 3

Subarea	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
32	2		18	2	18				11	1	11				29	3	29		
COUNTY TOTAL			18	2	18				11	1	11				29	3	29		

*Employment

Table 3.4-5

Industrial Point Source Fuel Use

A. County Fulton
B. Year 1985
C. Allocation Order 3

(1) Industrial Proc. Cat.	Source Identification					Fuel Demand and Fuel Use Forecast																	
	(2) Name	(3) Proc.	(4) Subarea	Coord. (5) X	Y	(6) GF**	(7) MBTU	(8) Emp.*	(9) COAL	(10) $S	(11) $A	(12) R OIL	(13) $S	(14) D OIL	(15) $S	(16) NG	(17) P GAS	(18) LPG	(19) COKE	(20) WOOD	(21) BASSE	(22) DIES	(23) GAS
32	Mineral Wool	3296	16			1.934	2071									1972							
32	Mineral Wool	3296	16			1.934	774									1973							
	COUNTY TOTAL					1.934	2845									3945							

Table 3.4-5

Industrial Point Source Fuel Use

A. County Fulton
B. Year 1985
C. Allocation Order 3

(1) Industrial Proc. Cat.	Source Identification					Fuel Demand and Fuel Use Forecast																	
	(2) Name	(3) Proc.	(4) Subarea	Coord. (5) X	Y	(6) GF**	(7) MBTU	(8) Emp.*	(9) COAL	(10) $S	(11) $A	(12) R OIL	(13) $S	(14) D OIL	(15) $S	(16) NG	(17) P GAS	(18) LPG	(19) COKE	(20) WOOD	(21) BASSE	(22) DIES	(23) GAS
33	Steel Works Co.	3312	11			1.590	86					572	1										
33	Steel Works Co.	3312	11			1.590	684									684							
	COUNTY TOTAL					1.590	770					572	1			684							

Table 3.4-5

Industrial Point Source Fuel Use

A. County Fulton
B. Year 1985
C. Allocation Order 3

(1) Industrial Proc. Cat.	Source Identification					Fuel Demand and Fuel Use Forecast																	
	(2) Name	(3) Proc.	(4) Subarea	Coord. (5) X	Y	(6) GF**	(7) MBTU	(8) Emp.*	(9) COAL	(10) $S	(11) $A	(12) R OIL	(13) $S	(14) D OIL	(15) $S	(16) NG	(17) P GAS	(18) LPG	(19) COKE	(20) WOOD	(21) BASSE	(22) DIES	(23) GAS
49	Steam Supply	4961	12			1.828	8347		36297	1.48	12												
49	Steam Supply	4961	10			1.828	13446		53783	1.50	8.2												
	COUNTY TOTAL					1.838	21793		90080	1.49													

*Employment
**Growth Factor

Table 3.4-5

Industrial Point Source Fuel Use

A. County Fulton
B. Year 1985
C. Allocation Order 3

(1) Industrial Proc. Cat.	Source Identification					Fuel Demand and Fuel Use Forecast																	
	(2) Name	(3) Proc.	(4) Subarea	Coord. (5) X	Y	(6) GF**	(7) MBTU	(8) Emp.*	(9) COAL	(10) %S	(11) %A	(12) R OIL	(13) %S	(14) D OIL	(15) %S	(16) NG	(17) P GAS	(18) LPG	(19) COKE	(20) WOOD	(21) B-ASSE	(22) DIES	(23) GAS
91 (Civil)	U.S. Prison	9100	13			2.138	1240									1240							
	COUNTY TOTAL					2.138	1240									1240							

*Employment
**Growth Factor

Table 3.4-5a (Cont. of 3.4-5)

Industrial Point Source Fuel Combustion Emissions

A. County Fulton
B. Year 1985
C. Allocation Order 3

Industrial Proc. Cat. (1)	Source Identification					Fuel Combustion Emissions Forecast (tons/yr)									
	(2) Name	(3) Process	(4) Subarea	Coord. (5)		Part. (6)		SO_x (7)		CO (8)		HC (9)		NO_x (10)	
				X	Y	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.
32	Mineral Wool Company	3296	16				12		1		11				
32	Mineral Wool Company	3296	16				11		2		12				
	COUNTY TOTAL						23		3		23				

Table 3.4-5a (Cont. of 3.4-5)

Industrial Point Source Fuel Combustion Emissions

A. County Fulton
B. Year 1985
C. Allocation Order 3

Industrial Proc. Cat. (1)	Source Identification					Fuel Combustion Emissions Forecast (tons/yr)									
	(2) Name	(3) Process	(4) Subarea	Coord. (5)		Part. (6)		SO_x (7)		CO (8)		HC (9)		NO_x (10)	
				X	Y	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.
33	Steel Works Company	3312	11				7		44		2				
33	Steel Works Company	3312	11				6		2		6				
	COUNTY TOTAL						13		46		8				

Table 3.4-5a (Cont. of 3.4-5)

Industrial Point Source Fuel Combustion Emissions

A. County Fulton
B. Year 1985
C. Allocation Order 3

Industrial Proc. Cat. (1)	Source Identification					Fuel Combustion Emissions Forecast (tons/yr)									
	(2) Name	(3) Process	(4) Subarea	Coord. (5)		Part. (6)		SO_x (7)		CO (8)		HC (9)		NO_x (10)	
				X	Y	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.
49	Steam Supply	4961	12				2859		837		15				
49	Steam Supply	4961	10				3528		1534		27				
							6387		2371		42				

Table 3.4-5a (Cont. of 3.4-5)

Industrial Point Source Fuel Combustion Emissions

A. County Fulton
B. Year 1985
C. Allocation Order 3

Industrial Proc. Cat. (1)	Source Identification					Fuel Combustion Emissions Forecast (tons/yr)									
	(2) Name	(3) Process	(4) Subarea	Coord. (5)		Part. (6)		SO_x (7)		CO (8)		HC (9)		NO_x (10)	
				X	Y	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.	Cont.	Emis.
[illegible] (Civil)	U. S. Prison	9100	13				11		2		11				
	COUNTY TOTAL						11		2		11				

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Table 3.4-6

Industrial Point and New Source Energy Demand by Process Category

A. County Fulton
B. Year 1985
C. Allocation Order 3

Industrial Process Category	Baseline Year Existing Point Sources		Forecast Year All Sources			Forecast Year Existing Point Sources		Forecast Year New Sources	
(1)	(2) MBTU	(3) Emp.*	(4) G**	(5) MBTU	(6) Emp.*	(7) MBTU	(8) Emp.*	(9) MBTU	(10) Emp.*
32	1471		1.934	2845		1829		1016	
33	484		1.590	770		770		0	
49	11922		1.828	21793		19851		1942	
31	580		2.138	1240		1193		47	
Power Generation								▨	▨
Industrial Area						▨	▨		
D. COUNTY TOTAL	14457		▨	26648		23643		3005	

*Employment
**Growth Factor

Table 3.4-7

Industrial New Source Fuel Use By Process Category and Subarea

A. County Fulton
B. Subarea 10
C. Year 1985
D. Allocation Order 3

Industrial Process Category (1)	Total Emp.* (2)	Point Source Emp.* (3)	New Source Emp.* (4)	EAP** (5)	Fuel Demand and Fuel Use Forecast																
					(6) MBTU	(7) COAL	(8) $S	(9) $$	(10) R OIL	(11) $S	(12) D OIL	(13) $S	(14) NG	(15) P GAS	(16) LPG	(17) COKE	(18) WOOD	(19) B-ASSE	(20) DIES	(21) GAS	
49					0	0															
Power Generation																					
Industrial Area																					
E. SUBAREA TOTAL					0	0															

Table 3.4-7

Industrial New Source Fuel Use By Process Category and Subarea

A. County Fulton
B. Subarea 11
C. Year 1985
D. Allocation Order 3

Industrial Process Category (1)	Total Emp.* (2)	Point Source Emp.* (3)	New Source Emp.* (4)	EAP** (5)	Fuel Demand and Fuel Use Forecast																
					(6) MBTU	(7) COAL	(8) $S	(9) $$	(10) R OIL	(11) $S	(12) D OIL	(13) $S	(14) NG	(15) P GAS	(16) LPG	(17) COKE	(18) WOOD	(19) B-ASSE	(20) DIES	(21) GAS	
33					0				0				0								
Power Generation																					
Industrial Area																					
E. SUBAREA TOTAL					0				0				0								

*Employment

**Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$ This value may be obtained from Table 3.4-3.

Table 3.4-7

Industrial New Source Fuel Use By Process Category and Subarea

A. County Fulton
B. Subarea 12
C. Year 1985
D. Allocation Order 3

Industrial Process Category (1)	Total Emp.* (2)	Point Source Emp.* (3)	New Source Emp.* (4)	EAP** (5)	Fuel Demand and Fuel Use Forecast																
					(6) MBTU	(7) COAL	(8) $S	(9) $A	(10) R OIL	(11) $S	(12) D OIL	(13) $S	(14) NG	(15) P GAS	(16) LPG	(17) COKE	(18) WOOD	(19) B-ASSE	(20) DIES	(21) GAS	
49					1942	6512	1.48	12.0													
Power Generation																					
Industrial Area																					
E. SUBAREA TOTAL					1942	6512	1.48	12.0													

Table 3.4-7

Industrial New Source Fuel Use by Process Category and Subarea

A. County Fulton
B. Subarea 13
C. Year 1985
D. Allocation Order 3

Industrial Process Category (1)	Total Emp.* (2)	Point Source Emp.* (3)	New Source Emp.* (4)	EAP** (5)	Fuel Demand and Fuel Use Forecast																
					(6) MBTU	(7) COAL	(8) $S	(9) $A	(10) R OIL	(11) $S	(12) D OIL	(13) $S	(14) NG	(15) P GAS	(16) LPG	(17) COKE	(18) WOOD	(19) B-ASSE	(20) DIES	(21) GAS	
91 (Civil)					47								47								
Power Generation																					
Industrial Area																					
E. SUBAREA TOTAL					47								47								

Table 3.4-7

Industrial New Source Fuel Use by Process Category and Subarea

A. County Fulton
B. Subarea 16
C. Year 1985
D. Allocation Order 3

Industrial Process Category (1)	Total Emp.* (2)	Point Source Emp.* (3)	New Source Emp.* (4)	EAP** (5)	Fuel Demand and Fuel Use Forecast																
					(6) MBTU	(7) COAL	(8) $S	(9) $A	(10) R OIL	(11) $S	(12) D OIL	(13) $S	(14) NG	(15) P GAS	(16) LPG	(17) COKE	(18) WOOD	(19) B-ASSE	(20) DIES	(21) GAS	
32					1016								1408								
Power Generation																					
Industrial Area																					
E. SUBAREA TOTAL					1016								1408								

*Employment

**Employment Allocation Proportion = $\frac{\text{Subarea Category New Source Employment}}{\text{Total Category New Source Employment}}$ This value may be obtained from Table 3.4-3.

Table 3.4-7a (Cont. of 3.4-7)

Industrial New Source Fuel Combustion Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 10
C. Year 1985
D. Allocation Order 3

Industrial Process Category (1)	New Source Emissions (tons/yr)									
	Part. (2)		SOx (3)		CO (4)		HC (5)		NOx (6)	
	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.
49		0		0		0				
Power Generation										
Industrial Area										
E. COUNTY TOTAL		0		0		0				

Table 3.4-7a (Cont. of 3.4-7)

Industrial New Source Fuel Combustion Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 11
C. Year 1985
D. Allocation Order 3

Industrial Process Category (1)	New Source Emissions (tons/yr)*									
	Part. (2)		SOx (3)		CO (4)		HC (5)		NOx (6)	
	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.
33		0		0		0				
Power Generation										
Industrial Area										
E. COUNTY TOTAL		0		0		0				

*When following an Order 1 allocation procedure, only the "Industrial Area" row of this table will be used.

Table 3.4-7a (Cont. of 3.4-7)

Industrial New Source Fuel Combustion Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 12
C. Year 1985
D. Allocation Order 3

Industrial Process Category (1)	New Source Emissions (tons/yr)*									
	Part. (2)		SO$_x$ (3)		CO (4)		HC (5)		NO$_x$ (6)	
	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.
49		625		183		3				
Power Generation										
Industrial Area										
E. COUNTY TOTAL		625		183		3				

Table 3.4-7A (Cont. of 3.4-7)

Industrial New Source Fuel Combustion Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 13
C. Year 1985
D. Allocation Order 3

Industrial Process Category (1)	New Source Emissions (tons/yr)									
	Part. (2)		SO$_x$ (3)		CO (4)		HC (5)		NO$_x$ (6)	
	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.
91 (Civil)		0		0		0				
Power Generation										
Industrial Area										
E. COUNTY TOTAL		0		0		0				

Table 3.4-7A (Cont. of 3.4-7)

Industrial New Source Fuel Combustion Emissions by Process Category and Subarea

A. County Fulton
B. Subarea 16
C. Year 1985
D. Allocation Order 3

Industrial Process Category (1)	New Source Emissions (tons/yr)									
	Part. (2)		SO$_x$ (3)		CO (4)		HC (5)		NO$_x$ (6)	
	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.	Controls	Emis.
32		12		1		12				
Power Generation										
Industrial Area										
E. COUNTY TOTAL		12		1		12				

*When following an Order 1 allocation procedure, only the "Industrial Area" row of this table will be used.

Table 3.4-8

Industrial Point and New Source Fuel Combustion Emissions - Subarea Summary

A. County Fulton
B. Subarea 10
C. Year 1985
D. Allocation Order 3

Subarea	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
49	1		3528	1534	27				0	0	0				3528	1534	27		
COUNTY TOTAL			3528	1534	27				0	0	0				3528	1534	27		

Table 3.4-8

Industrial Point and New Source Fuel Combustion Emissions - Subarea Summary

A. County Fulton
B. Subarea 11
C. Year 1985
D. Allocation Order 3

Subarea	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
33	2		13	46	8				0	0	0				13	46	8		
COUNTY TOTAL			13	46	8				0	0	0				13	46	8		

Table 3.4-8

Industrial Point and New Source Fuel Combustion Emissions - Subarea Summary

A. County Fulton
B. Subarea 12
C. Year 1985
D. Allocation Order 3

Subarea	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
47	1		2859	837	15				625	183	3				3484	1020	18		
COUNTY TOTAL			2859	837	15				625	183	3				3484	1020	18		

*Employment

Table 3.4-8

Industrial Point and New Source Fuel Combustion Emissions - Subarea Summary

A. County Fulton
B. Subarea 13
C. Year 1985
D. Allocation Order 3

Subarea	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
91 (Civil)	1		11	2	11				0	0	0				11	2	11		
COUNTY TOTAL			11	2	11				0	0	0				11	2	11		

Table 3.4-8

Industrial Point and New Source Fuel Combustion Emissions - Subarea Summary

A. County Fulton
B. Subarea 16
C. Year 1985
D. Allocation Order 3

Subarea	Point Source Emissions							New Source Emissions						Total Emissions					
(1)	(2) No. of Sources	(3) Emp.*	(4) Part.	(5) SO_x	(6) CO	(7) HC	(8) NO_x	(9) Emp.*	(10) Part.	(11) SO_x	(12) CO	(13) HC	(14) NO_x	(15) Emp.*	(16) Part.	(17) SO_x	(18) CO	(19) HC	(20) NO_x
32	2		23	3	23				12	1	12				35	4	35		
COUNTY TOTAL			23	3	23				12	1	12				35	4	35		

*Employment

B.2.5 Solid Waste Incineration Emissions

ALLOCATION PROCEDURE

Order 1

Allocate solid waste quantity by population and by industrial employment.

Order 2

Allocate solid waste quantity by population and by commercial/institutional and industrial employment.

Order 3

Determine solid waste quantity in each subarea.

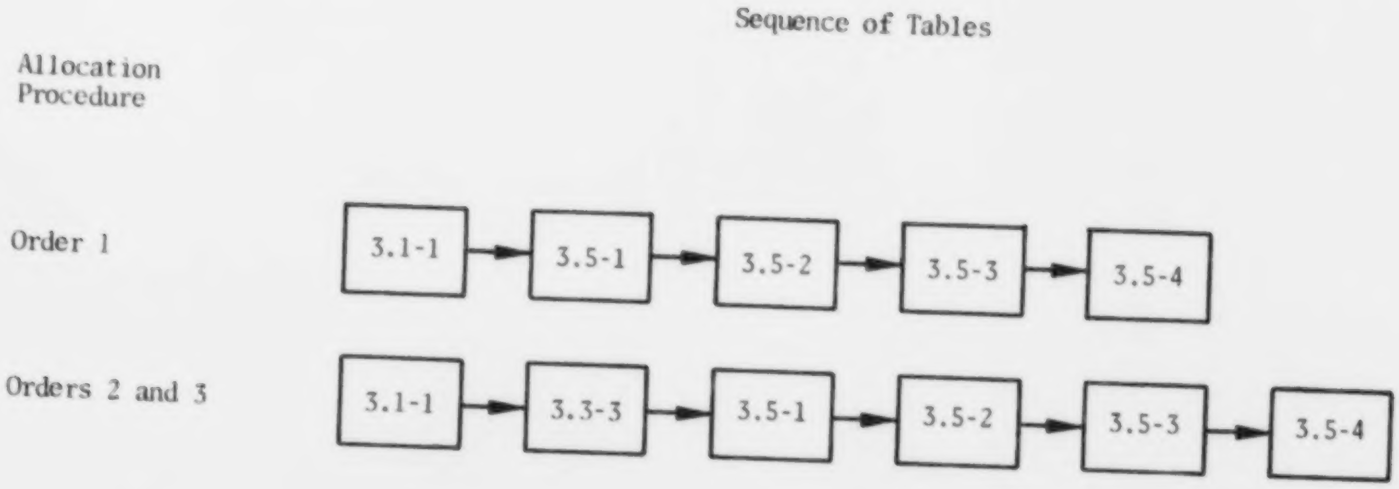
Sequence of Tables
Allocation Procedure
Order 1
3.1-1
3.5-1
3.5-2
3.5-3
3.5-4
Orders 2 and 3
3.1-1
3.3-3
3.5-1
3.5-2
3.5-3
3.5-4

Fig. 3.5-1 Solid Waste Disposal Allocation Sequence

ASSUMPTION AND LIMITATIONS OF THE EXAMPLE FOR SOLID WASTE INCINERATION EMISSIONS

A. All demographic and land use projections developed in forecasting commercial/institutional and industrial emissions were directly applied to the analysis of solid waste incineration emissions.

B. Emissions from residential incineration have been deleted from this subcounty analysis because residential solid waste incineration was not treated in the Atlanta Air Pollutant Emission Inventory (October, 1969), which was used as a substitute for county-wide estimates of refuse disposal that would normally be obtained from the analysis prescribed in Volume 7 of the Guidelines. Since residential incineration is generally considered to account for only a minor portion of the emissions from open burning, it was reasoned that excluding this component would not lead to significant underprediction of emissions from incineration sources.

C. The commercial/institutional and industrial land use allocation proportions derived from the assumptions specified in previous sections of this appendix have been applied directly to this analysis of solid waste emissions from these sources. To make the commercial/institutional and industrial subarea designations compatible, super districts 16, 18 and 19, which were treated separately for industrial sources, have been aggregated and treated as the residual for this analysis.

Table 3.1-1

Population-Based Allocation Proportions for Subcounty Areas

A. County **Fulton**
B. Year 1970
C. Allocation Order 1

(1) Subareas	(2) Population	(3) Allocation Proportion
Atlanta	455,140	.749
Fairburn	3,143	.005
Hapeville	9,567	.016
Rosswell	5,430	.009
Union City	3,031	.005
East Point	39,315	.065
College Park	12,305	.020
SUBAREA TOTAL	527,931	.869
Residual[1]	79,661	.131
D. COUNTY TOTAL	607,592	1.0

---

[1] Residual is equal to the COUNTY TOTAL (row D, column [2]) minus the sum of the population accounted for by all specified subcounty areas.

$$RP = TPOP - \sum_{i=1}^{N} POP_i$$

where:
RP = Residual population not accounted for by specified subareas
TPOP = COUNTY TOTAL (row D, column [2])
POP_i = Population in each specified subcounty area i.

Table 3.3-3

Commercial/Institutional Employment-Based Allocation Proportions for Subcounty Areas

A. County Fulton
B. Year 1970
C. Allocation Order 2

(1) Subarea	(2) Commercial/ Institutional Employment	(3) Allocation Proportion
10 - CBD	41,877	.247
11 - Northeast	37,957	.224
12 - Northwest	21,211	.125
13 - Southeast	18,619	.110
14 - Southwest	14,800	.087
15 - Tri-Cities	16,511	.097
17 - Buckhead	13,798	.081
SUBAREA TOTAL	164,773	.971
Residual	4,858	.029
D. COUNTY TOTAL	169,631	1.0

Table 3.5-1

Manufacturing Employment-Based Allocation Proportions for Subcounty Areas

A. County Fulton
B. Year 1970
C. Allocation Order 2

(1) Subareas	(2) Industrial Land Use	(3) Allocation Proportion
10 - CBD	133	.022
11 - Northeast	795	.132
12 - Northwest	1,665	.276
13 - Southeast	1,137	.188
14 - Southwest	930	.154
15 - Tri-Cities	825	.136
17 - Buckhead	125	.021
SUBAREA TOTAL	5,610	.930
Residual	425	.071
D. COUNTY TOTAL	6,035	1.0

Table 3.5-2

Annual Solid Waste Incineration

A. County Fulton
B. Year 1970
C. Allocation Order 2

	Annual Solid Waste Incineration by Source (Tons/yr)					
	Residential		Commercial/Institutional		Industrial	
(1) Subareas	(2) On-Site Incin.	(3) Open Burning	(4) On-Site Incin.	(5) Open Burning	(6) On-Site Incin.	(7) Open Burning
10 - CBD			35,000	12,250	1,283	6,609
11 - Northeast			31,741	11,109	7,696	39,653
12 - Northwest			17,712	6,199	16,091	82,912
13 - Southeast			15,587	5,456	10,960	56,476
14 - Southwest			12,328	4,315	8,978	46,262
15 - Tri-Cities			13,745	4,811	7,929	40,855
17 - Buckhead			11,477	4,017	1,224	6,309
SUBAREA TOTAL			137,591	48,157	54,161	279,076
Residual			4,109	1,438	4,139	21,329
D. COUNTY TOTAL*			141,700	49,595	58,300	300,405

*1968 Data

Table 3.5-3

Solid Waste Incineration Emission Factors

(1)		Emission Factors				
		(2) Part.	(3) SO_x	(4) CO	(5) HC *	(6) NO_x *
Residential	On-Site Incineration					
	Open Burning					
Commercial/ Institutional	On-Site Incineration	7 lb/ton	2.5 lb/ton	10 lb/ton		
	Open Burning	37 lb/ton	2.5 lb/ton	NA		
Industrial	On-Site Incineration	7 lb/ton	2.5 lb/ton	10 lb/ton		
	Open Burning	37 lb/ton	2.5 lb/ton	NA		

*These pollutants have been excluded from this analysis because they are to be treated on an AQCR basis.

Table 3.5-4
Solid Waste Incineration Emissions Allocated to Subcounty Areas

A. County Fulton
B. Year 1970
C. Allocation Order 2

	Emissions (tons/yr)				
(1) Sub-areas	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
10 - CBD	485	69	181		
11 - Northeast	1,103	113	197		
12 - Northwest	1,811	154	169		
13 - Southeast	1,270	110	133		
14 - Southwest	1,036	90	107		
15 - Tri-Cities	943	84	108		
17 - Buckhead	241	29	64		
SUBAREA TOTAL	6,889	649	959		
Residual	461	39	41		
D. COUNTY TOTAL	7,350	688	1,000		

Table 3.1-1

Population-Based Allocation Proportions for Subcounty Areas

A. County Fulton
B. Year 1975
C. Allocation Order 1

(1) Subareas	(2) Population	(3) Allocation Proportion
Atlanta	441,486	.692
Fairburn	4,620	.007
Hapeville	9,758	.015
Rosswell	8,905	.013
Union City	6,062	.008
East Point	43,640	.068
College Park	17,473	.027
SUBAREA TOTAL	531,944	.830
Residual [1]	106,028	.17
D. COUNTY TOTAL	637,972	1.0

---

[1] Residual is equal to the COUNTY TOTAL (row D, column [2]) minus the sum of the population accounted for by all specified subcounty areas.

$$RP = TPOP - \sum_{i=1}^{N} POP_i$$

where:
RP = Residual population not accounted for by specified subareas
TPOP = COUNTY TOTAL (row D, column [2])
POP_i = Population in each specified subcounty area i.

Table 3.3-3

Commercial/Institutional Employment-Based Allocation Proportions for Subcounty Areas

A. County Fulton
B. Year 1975
C. Allocation Order 2

(1) Subarea	(2) Commercial/ Institutional Employment	(3) Allocation Proportion
10 - CBD	45,091	.241
11 - Northeast	38,150	.203
12 - Northwest	23,736	.127
13 - Southeast	19,641	.105
14 - Southwest	16,064	.086
15 - Tri-Cities	18,151	.097
17 - Buckhead	15,801	.084
SUBAREA TOTAL	176,634	.943
Residual	10,664	.057
D. COUNTY TOTAL	187,298	1.0

Table 3.5-1

Manufacturing Employment-Based Allocation Proportions for Subcounty Areas

A. County Fulton
B. Year 1975
C. Allocation Order 2

(1) Subareas	(2) Industrial Land Use	(3) Allocation Proportion
10 - CBD	132	.020
11 - Northeast	735	.113
12 - Northwest	1,759	.270
13 - Southeast	1,151	.177
14 - Southwest	1,006	.155
15 - Tri-Cities	846	.130
17 - Buckhead	146	.022
SUBAREA TOTAL	5,775	.887
Residual	734	.113
D. COUNTY TOTAL	6,509	1.0

Table 3.5-2

Annual Solid Waste Incineration

A. County Fulton
B. Year 1975
C. Allocation Order 2

(1) Subareas	Annual Solid Waste Incineration by Source (Tons/yr)					
	Residential		Commercial/Institutional		Industrial	
	(2) On-Site Incin.	(3) Open Burning	(4) On-Site Incin.	(5) Open Burning	(6) On-Site Incin.	(7) Open Burning
10 - CBD			37,706	13,197	1,258	6,480
11 - Northeast			31,761	11,116	7,105	36,610
12 - Northwest			19,870	6,955	16,977	87,476
13 - Southeast			16,428	5,750	11,129	57,346
14 - Southwest			13,455	4,709	9,746	50,218
15 - Tri-Cities			15,176	5,312	8,174	42,118
17 - Buckhead			13,142	4,600	1,383	7,128
SUBAREA TOTAL			147,538	51,639	55,772	287,376
Residual			8,918	3,121	7,105	36,611
D. COUNTY TOTAL			156,458	54,760	62,877	323,987

Table 3.5-3

Solid Waste Incineration Emission Factors

(1)		Emission Factors				
		(2) Part.	(3) SO_x	(4) CO	(5) HC *	(6) NO_x *
Residential	On-Site Incineration					
	Open Burning					
Commercial/ Institutional	On-Site Incineration	7 lb/ton	2.5 lb/ton	10 lb/ton		
	Open Burning	37 lb/ton	2.5 lb/ton	NA		
Industrial	On-Site Incineration	7 lb/ton	2.5 lb/ton	10 lb/ton		
	Open Burning	37 lb/ton	2.5 lb/ton	NA		

*These pollutants have been excluded from this analysis because they are to be treated on an AQCR basis.

Table 3.5-4
Solid Waste Incineration Emissions
Allocated to Subcounty Areas

A. County Fulton
B. Year 1975
C. Allocation Order 2

(1) Sub-areas	Emissions (tons/yr) (2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
10 - CBD	501	73	195		
11 - Northeast	1,019	108	194		
12 - Northwest	1,876	164	184		
13 - Southeast	1,264	113	138		
14 - Southwest	1,097	98	116		
15 - Tri-Cities	959	89	117		
17 - Buckhead	268	33	73		
SUBAREA TOTAL	6,984	678	1,017		
Residual	791	70	80		
D. COUNTY TOTAL	7,775	748	1,097		

Table 3.1-1

Population-Based Allocation Proportions for Subcounty Areas

A. County **Fulton**
B. Year 1980
C. Allocation Order 1

	(1) Subareas	(2) Population	(3) Allocation Proportion
	Atlanta	422,915	.631
	Fairburn	6,839	.010
	Hapeville	10,021	.015
	Rosswell	14,682	.022
	Union City	12,733	.019
	East Point	48,226	.072
	College Park	24,565	.037
	SUBAREA TOTAL	539,981	.8060
	Residual[1]	129,964	.194
D.	COUNTY TOTAL	669,945	1.0

[1] Residual is equal to the COUNTY TOTAL (row D, column [2]) minus the sum of the population accounted for by all specified subcounty areas.

$$RP = TPOP - \sum_{i=1}^{N} POP_i$$

where:
RP = Residual population not accounted for by specified subareas
TPOP = COUNTY TOTAL (row D, column [2])
POP_i = Population in each specified subcounty area i.

Table 3.3-3

Commercial/Institutional Employment-Based Allocation Proportions for Subcounty Areas

A. County Fulton
B. Year 1980
C. Allocation Order 2

(1)	(2)	(3)
Subarea	Commercial/ Institutional Employment	Allocation Proportion
10 - CBD	48,305	.236
11 - Northeast	38,352	.187
12 - Northwest	26,261	.128
13 - Southeast	20,663	.101
14 - Southwest	17,329	.085
15 - Tri-Cities	19,790	.096
17 - Buckhead	17,804	.087
SUBAREA TOTAL	188,494	.920
Residual	16,470	.080
D. COUNTY TOTAL	204,964	1.0

Table 3.5-1

Manufacturing Employment-Based Allocation Proportions for Subcounty Areas

A. County Fulton
B. Year 1980
C. Allocation Order 2

(1) Subareas	(2) Industrial Land Use	(3) Allocation Proportion
10 - CBD	132	.019
11 - Northeast	675	.097
12 - Northwest	1,852	.265
13 - Southeast	1,165	.167
14 - Southwest	1,082	.155
15 - Tri-Cities	868	.124
17 - Buckhead	167	.024
SUBAREA TOTAL	5,941	.851
Residual	1,042	.149
D. COUNTY TOTAL	6,983	1.0

Table 3.5-2

Annual Solid Waste Incineration

A. County Fulton
B. Year 1980
C. Allocation Order 2

(1) Subareas	Annual Solid Waste Incineration by Source (Tons/yr)					
	Residential		Commercial/Institutional		Industrial	
	(2) On-Site Incin.	(3) Open Burning	(4) On-Site Incin.	(5) Open Burning	(6) On-Site Incin.	(7) Open Burning
10 - CBD			40,407	14,142	1,282	6,605
11 - Northeast			32,017	11,206	6,543	33,717
12 - Northwest			21,916	7,670	17,877	92,114
13 - Southeast			17,292	6,052	11,266	58,049
14 - Southwest			14,553	5,094	10,456	53,878
15 - Tri-Cities			16,437	5,753	8,365	43,102
17 - Buckhead			14,896	5,214	1,619	8,342
SUBAREA TOTAL			157,518	55,131	57,408	295,807
Residual			13,697	4,794	10,051	51,792
D. COUNTY TOTAL			171,215	59,925	67,459	347,599

Table 3.5-3

Solid Waste Incineration Emission Factors

(1)		Emission Factors				
		(2) Part.	(3) SO_x	(4) CO	(5) HC *	(6) NO_x *
Residential	On-Site Incineration					
	Open Burning					
Commercial/ Institutional	On-Site Incineration	7 lb/ton	2.5 lb/ton	10 lb/ton		
	Open Burning	37 lb/ton	2.5 lb/ton	NA		
Industrial	On-Site Incineration	7 lb/ton	2.5 lb/ton	10 lb/ton		
	Open Burning	37 lb/ton	2.5 lb/ton	NA		

*These pollutants have been excluded from this analysis because they are to be treated on an AQCR basis.

Table 3.5-4
Solid Waste Incineration Emissions
Allocated to Subcounty Areas

A. County Fulton
B. Year 1980
C. Allocation Order 2

(1) Sub-areas	Emissions (tons/yr) (2) Part.	 (3) SO_x	 (4) CO	 (5) HC	 (6) NO_x
10 - CBD	529	78	208		
11 - Northeast	966	104	193		
12 - Northwest	1,985	175	199		
13 - Southeast	1,286	116	143		
14 - Southwest	1,179	105	125		
15 - Tri-Cities	991	92	124		
17 - Buckhead	308	38	82		
SUBAREA TOTAL	7,244	708	1,074		
Residual	1,130	100	119		
D. COUNTY TOTAL	8,374	808	1,193		

Table 3.1-1

Population-Based Allocation Proportions for Subcounty Areas

A. County **Fulton**
B. Year 1985
C. Allocation Order 1

(1) Subareas	(2) Population	(3) Allocation Proportion
Atlanta	439,832	.581
Fairburn	9,096	.012
Hapeville	9,821	.013
Rosswell	19,380	.026
Union City	16,298	.022
East Point	47,940	.063
College Park	26,039	.034
SUBAREA TOTAL	568,406	.751
Residual[1]	188,632	.249
D. COUNTY TOTAL	757,038	1.0

---

[1] Residual is equal to the COUNTY TOTAL (row D, column [2]) minus the sum of the population accounted for by all specified subcounty areas.

$$RP = TPOP - \sum_{i=1}^{N} POP_i$$

where:
RP = Residual population not accounted for by specified subareas
TPOP = COUNTY TOTAL (row D, column [2])
POP_i = Population in each specified subcounty area i.

Table 3.3-3

Commercial/Institutional Employment-Based Allocation Proportions for Subcounty Areas

A. County Fulton
B. Year 1985
C. Allocation Order 2

(1) Subarea	(2) Commercial/ Institutional Employment	(3) Allocation Proportion
10 - CBD	50,925	.224
11 - Northeast	38,777	.171
12 - Northwest	29,249	.129
13 - Southeast	22,046	.097
14 - Southwest	20,149	.089
15 - Tri-Cities	22,471	.099
17 - Buckhead	19,877	.087
SUBAREA TOTAL	203,494	.896
Residual	23,505	.104
D. COUNTY TOTAL	226,999	1.0

Table 3.5-1

Manufacturing Employment-Based Allocation Proportions for Subcounty Areas

A. County Fulton
B. Year 1985
C. Allocation Order 2

(1) Subareas	(2) Industrial Land Use	(3) Allocation Proportion
10 - CBD	131	.017
11 - Northeast	707	.092
12 - Northwest	1,956	.256
13 - Southeast	1,198	.156
14 - Southwest	1,182	.154
15 - Tri-Cities	912	.119
17 - Buckhead	195	.026
SUBAREA TOTAL	6,281	.820
Residual	1,376	.180
D. COUNTY TOTAL	7,657	1.0

Table 3.5-2

Annual Solid Waste Incineration

A. County Fulton
B. Year 1985
C. Allocation Order 2

(1) Subareas	Annual Solid Waste Incineration by Source (Tons/yr)					
	Residential		Commercial/Institutional		Industrial	
	(2) On-Site Incin.	(3) Open Burning	(4) On-Site Incin.	(5) Open Burning	(6) On-Site Incin.	(7) Open Burning
10 - CBD			42,475	14,866	1,258	6,480
11 - Northeast			32,425	11,349	6,805	35,066
12 - Northwest			24,461	8,562	18,937	97,575
13 - Southeast			18,393	6,438	11,539	59,460
14 - Southwest			16,877	5,907	11,392	58,098
15 - Tri-Cities			18,773	6,570	8,802	45,357
17 - Buckhead			16,497	5,774	1,923	9,910
SUBAREA TOTAL			169,901	59,466	60,656	312,546
Residual			19,721	6,902	13,315	68,608
D. COUNTY TOTAL			189,622	66,368	73,971	381,154

Table 3.5-3

Solid Waste Incineration Emission Factors

(1)		Emission Factors				
		(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
Residential	On-Site Incineration					
	Open Burning					
Commercial/ Institutional	On-Site Incineration	7 lb/ton	2.5 lb/ton	10 lb/ton		
	Open Burning	37 lb/ton	2.5 lb/ton	NA		
Industrial	On-Site Incineration	7 lb/ton	2.5 lb/ton	10 lb/ton		
	Open Burning	37 lb/ton	2.5 lb/ton	NA		

Table 3.5-4
Solid Waste Incineration Emissions
Allocated to Subcounty Areas

A. County Fulton
B. Year 1985
C. Allocation Order 2

(1) Sub-areas	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
10 - CBD	548	81	219		
11 - Northeast	996	107	196		
12 - Northwest	2,115	187	217		
13 - Southeast	1,324	120	150		
14 - Southwest	1,294	116	141		
15 - Tri-Cities	1,058	99	138		
17 - Buckhead	355	43	92		
SUBAREA TOTAL	7,690	753	1,153		
Residual	1,512	136	165		
D. COUNTY TOTAL	9,202	889	1,318		

B.3 Master Gridding

Table 4.1

Master Grid Mapping

A. County Fulton

B. Subcounty Area Set Residential, Transportation

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{39} - 7^{41}$	Atlanta	.003
$37^{39} - 7^{42}$		.003
$37^{38} - 7^{41}$		.003
$37^{38} - 7^{42}$		.003
$37^{37} - 7^{41}$		.003
$37^{37} - 7^{42}$		.003
$37^{36} - 7^{43}$		.013
$37^{44} - 7^{39}$		.174
$37^{42} - 7^{41}$		.013
$37^{42} - 7^{43}$		.013
$37^{42} - 7^{45}$		.005
$37^{40} - 7^{39}$		.013
$37^{40} - 7^{41}$		.013
$37^{40} - 7^{43}$		.013
$37^{40} - 7^{45}$		.005

Table 4.1

Master Grid Mapping

A. County Fulton
B. Subcounty Area Set Residential, Transportation

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{38} - 7^{39}$	Atlanta	.013
$37^{38} - 7^{43}$		.013
$37^{38} - 7^{45}$		.005
$37^{36} - 7^{45}$		.005
$37^{44} - 7^{33}$		.005
$37^{44} - 7^{35}$		.045
$37^{42} - 7^{39}$		.013
$37^{40} - 7^{31}$		.048
$37^{40} - 7^{35}$		.054
$37^{36} - 7^{27}$		.016
$37^{38} - 7^{31}$		.013
$37^{38} - 7^{33}$		.013
$37^{38} - 7^{35}$		.013
$37^{38} - 7^{37}$		.013

Table 4.1

Master Grid Mapping

A. County Fulton

B. Subcounty Area Set Residential, Transportation

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
37^{36} - 7^{33}	Atlanta	.013
37^{36} - 7^{35}		.013
37^{36} - 7^{37}		.013
37^{37} - 7^{39}		.003
37^{37} - 7^{40}		.003
37^{36} - 7^{39}		.003
37^{36} - 7^{40}		.003
37^{36} - 7^{41}		.003
37^{36} - 7^{42}		.003
37^{34} - 7^{39}		.013
37^{34} - 7^{41}		.013
37^{34} - 7^{43}		.013
37^{34} - 7^{45}		.005
37^{34} - 7^{37}		.013
37^{32} - 7^{39}		.009

Table 4.1

Master Grid Mapping

A. County Fulton

B. Subcounty Area Set Residential, Transportation

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{32} - 7^{41}$	Atlanta	.013
$37^{32} - 7^{43}$		.013
$37^{32} - 7^{45}$		.005
$37^{30} - 7^{39}$		.009
$37^{30} - 7^{41}$		.011
$37^{30} - 7^{43}$		.013
$37^{30} - 7^{45}$		.005
$37^{28} - 7^{41}$		.011
$37^{28} - 7^{43}$		.013
$37^{28} - 7^{45}$		.005
$37^{36} - 7^{31}$		.013
$37^{32} - 7^{27}$		.017
$37^{32} - 7^{31}$		.044
$37^{34} - 7^{35}$		.013
$37^{28} - 7^{27}$		.035

Table 4.1

Master Grid Mapping

A. County Fulton
B. Subcounty Area Set Residential, Transportation

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{30} - 7^{31}$	Atlanta	.013
$37^{48} - 7^{35}$		.031
$37^{24} - 7^{27}$		.007
$37^{30} - 7^{33}$		.007
$37^{30} - 7^{35}$		.003
$37^{30} - 7^{37}$		.003
$37^{28} - 7^{39}$		.008
$37^{26} - 7^{41}$		.010
$37^{26} - 7^{43}$		.013
$37^{26} - 7^{45}$		.005
$37^{10} - 7^{17}$	Fairburn	.563
$37^{10} - 7^{25}$	Fairburn	.219
$37^{18} - 7^{17}$	Fairburn	.156
$37^{18} - 7^{25}$	Fairburn	.062
$37^{28} - 7^{39}$	Hapeville	.250

Table 4.1

Master Grid Mapping

A. County Fulton

B. Subcounty Area Set Residential, Transportation

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{26} - 7^{39}$	Hapeville	.350
$37^{26} - 7^{41}$	Hapeville	.300
$37^{28} - 7^{41}$	Hapeville	.100
$37^{64} - 7^{41}$	Rosswell	1.00
$37^{18} - 7^{25}$	Union City	.742
$37^{10} - 7^{25}$	Union City	.258
$37^{24} - 7^{31}$	East Point	.060
$37^{24} - 7^{33}$		.020
$37^{26} - 7^{31}$		.090
$37^{26} - 7^{33}$		.090
$37^{28} - 7^{31}$		.020
$37^{28} - 7^{33}$		.110
$37^{28} - 7^{35}$		.110
$37^{28} - 7^{37}$		.110
$37^{28} - 7^{39}$		.050

Table 4.1

Master Grid Mapping

A. County Fulton

B. Subcounty Area Set Residential, Transportation

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{26} - 7^{37}$	East Point	.020
$37^{30} - 7^{33}$		.070
$37^{30} - 7^{35}$		.100
$37^{30} - 7^{37}$		.100
$37^{30} - 7^{39}$		.050
$37^{22} - 7^{33}$	College Park	.098
$37^{22} - 7^{35}$		.098
$37^{24} - 7^{33}$		.196
$37^{24} - 7^{35}$		.137
$37^{26} - 7^{33}$		.098
$37^{26} - 7^{33}$		.235
$37^{26} - 7^{37}$		.137

Table 4.1

Master Grid Mapping

A. County Fulton

B. Subcounty Area Set Residential, Transportation

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{10} - 7^{01}$	Residual	.058
$37^{10} - 7^{09}$		.061
$37^{10} - 7^{17}$		.050
$37^{10} - 7^{25}$		.038
$37^{10} - 7^{33}$		.012
$37^{18} - 7^{01}$		.028
$37^{18} - 7^{09}$		.055
$37^{18} - 7^{17}$		.060
$37^{18} - 7^{25}$		.029
$37^{18} - 7^{33}$		.012
$37^{26} - 7^{9}$		.006
$37^{26} - 7^{17}$		.049
$37^{26} - 7^{25}$		.012

Table 4.1

Master Grid Mapping

A. County Fulton

B. Subcounty Area Set Residential, Transportation

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{32} - 7^{23}$	Residual	.013
$37^{36} - 7^{23}$		.002
$37^{40} - 7^{27}$		.002
$37^{52} - 7^{35}$		.007
$37^{52} - 7^{39}$		.046
$37^{58} - 7^{41}$		.043
$37^{58} - 7^{49}$		.028
$37^{64} - 7^{33}$		.009
$37^{64} - 7^{41}$		.047
$37^{58} - 7^{57}$		.006
$37^{64} - 7^{49}$		.061
$37^{64} - 7^{57}$		.040
$37^{64} - 7^{65}$		.015
$37^{72} - 7^{33}$		.009
$37^{72} - 7^{41}$		.052

Table 4.1

Master Grid Mapping

A. County Fulton

B. Subcounty Area Set Residential, Transportation

(1) Master Grid Designation	(2) Subcounty Area Designation		(3) Fraction of Subcounty Area in Master Grid
$37^{72} - 7^{49}$	Residual		.049
$37^{72} - 7^{57}$			.009
$37^{80} - 7^{41}$			.015
$37^{80} - 7^{49}$			.022
$37^{44} - 7^{39}$			.005
$37^{48} - 7^{35}$			.002
$37^{36} - 7^{27}$			.009
$37^{32} - 7^{31}$			.003
$37^{32} - 7^{27}$			.010
$37^{88} - 7^{27}$			.006
$37^{24} - 7^{27}$			.014
$37^{26} - 7^{31}$			.001
$37^{24} - 7^{31}$			.002
$37^{24} - 7^{33}$			.001
$37^{22} - 7^{33}$			.002

Table 4.1

Master Grid Mapping

A. County Fulton
B. Subcounty Area Set Industrial

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{39} - 7^{41}$	10-CBD	.170
$37^{39} - 7^{42}$		.149
$37^{38} - 7^{41}$		.191
$37^{38} - 7^{42}$		.106
$37^{37} - 7^{41}$		.191
$37^{37} - 7^{42}$		.149
$37^{36} - 7^{43}$		.044
$37^{44} - 7^{39}$	11-NE	.090
$37^{42} - 7^{41}$		.073
$37^{42} - 7^{43}$		.122
$37^{42} - 7^{45}$		.039
$37^{40} - 7^{39}$		.073
$37^{40} - 7^{41}$		.122
$37^{40} - 7^{43}$		.122
$37^{40} - 7^{45}$		.039

Table 4.1

Master Grid Mapping

A. County Fulton
B. Subcounty Area Set Industrial

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{38} - 7^{39}$	11-NE	.013
$37^{39} - 7^{41}$		.013
$37^{39} - 7^{42}$		.020
$37^{38} - 7^{42}$		.020
$37^{38} - 7^{43}$		.122
$37^{38} - 7^{45}$		.041
$37^{37} - 7^{42}$		.013
$37^{36} - 7^{43}$		.056
$37^{36} - 7^{45}$		.022
$37^{44} - 7^{33}$	12-NW	.023
$37^{44} - 7^{35}$		.104
$37^{44} - 7^{39}$		.064
$37^{42} - 7^{39}$		.050
$37^{42} - 7^{41}$		.025
$37^{40} - 7^{27}$		.037

Table 4.1

Master Grid Mapping

A. County Fulton
B. Subcounty Area Set Industrial

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{40} - 7^{31}$	12-NW	.191
$37^{40} - 7^{35}$		.207
$37^{40} - 7^{39}$		.025
$37^{36} - 7^{27}$		.012
$37^{38} - 7^{31}$		.021
$37^{38} - 7^{33}$		.047
$37^{38} - 7^{35}$		.052
$37^{38} - 7^{37}$		.052
$37^{38} - 7^{39}$		.047
$37^{36} - 7^{33}$		.008
$37^{36} - 7^{35}$		.012
$37^{36} - 7^{37}$		.009
$37^{37} - 7^{39}$		.004
$37^{37} - 7^{40}$		.004
$37^{37} - 7^{41}$		.001

Table 4.1

Master Grid Mapping

A. County Fulton
B. Subcounty Area Set Industrial

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
37^{38} - 7^{41}	12-NW	.004
37^{39} - 7^{41}	12-NW	.001
37^{36} - 7^{39}	13-SE	.002
37^{36} - 7^{40}		.010
37^{36} - 7^{41}		.015
37^{36} - 7^{42}		.015
37^{36} - 7^{43}		.030
37^{36} - 7^{45}		.012
37^{34} - 7^{39}		.035
37^{34} - 7^{41}		.061
37^{34} - 7^{43}		.061
37^{34} - 7^{45}		.024
37^{34} - 7^{37}		.002
37^{32} - 7^{37}		.012
37^{32} - 7^{39}		.061

Table 4.1

Master Grid Mapping

A. **County** Fulton
B. **Subcounty Area Set** Industrial

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
37^{32} - 7^{41}	13-SE	.061
37^{32} - 7^{43}		.061
37^{32} - 7^{45}		.026
37^{30} - 7^{37}		.005
37^{30} - 7^{39}		.049
37^{30} - 7^{41}		.061
37^{30} - 7^{43}		.061
37^{30} - 7^{45}		.026
37^{28} - 7^{39}		.033
37^{28} - 7^{41}		.055
37^{28} - 7^{43}		.061
37^{28} - 7^{45}		.026
37^{26} - 7^{41}		.049
37^{26} - 7^{43}		.061
37^{26} - 7^{45}		.027

Table 4.1

Master Grid Mapping

A. County Fulton
B. Subcounty Area Set Industrial

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{36} - 7^{23}$	14-SW	.022
$37^{36} - 7^{27}$		.130
$37^{38} - 7^{31}$		.025
$37^{38} - 7^{33}$		.004
$37^{36} - 7^{31}$		.036
$37^{36} - 7^{33}$		.030
$37^{36} - 7^{35}$		.029
$37^{36} - 7^{37}$		.031
$37^{37} - 7^{39}$		.008
$37^{37} - 7^{40}$		.008
$37^{36} - 7^{39}$		.009
$37^{36} - 7^{40}$		.003
$37^{32} - 7^{23}$		.004
$37^{32} - 7^{27}$		.125
$37^{32} - 7^{31}$		.143

Table 4.1

Master Grid Mapping

A. County Fulton

B. Subcounty Area Set Industrial

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{34} - 7^{35}$	14-SW	.036
$37^{34} - 7^{37}$		.035
$37^{34} - 7^{39}$		.011
$37^{32} - 7^{35}$		.032
$37^{32} - 7^{37}$		.029
$37^{28} - 7^{27}$		.115
$37^{30} - 7^{31}$		.036
$37^{30} - 7^{33}$		.014
$37^{30} - 7^{35}$		.006
$37^{30} - 7^{37}$		.004
$37^{28} - 7^{31}$		.033
$37^{28} - 7^{33}$		.002
$37^{26} - 7^{31}$		.006
$37^{24} - 7^{27}$		.036
$37^{32} - 7^{35}$	15-TC	.008

Table 4.1

Master Grid Mapping

A. County Fulton
B. Subcounty Area Set Industrial

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{30} - 7^{33}$	15-TC	.040
$37^{30} - 7^{35}$		.054
$37^{30} - 7^{37}$		.050
$37^{30} - 7^{39}$		.013
$37^{28} - 7^{31}$		.005
$37^{28} - 7^{33}$		.005
$37^{28} - 7^{35}$		.066
$37^{28} - 7^{37}$		.066
$37^{28} - 7^{39}$		.031
$37^{28} - 7^{41}$		.007
$37^{26} - 7^{31}$		.056
$37^{26} - 7^{33}$		.066
$37^{26} - 7^{35}$		.066
$37^{26} - 7^{37}$		.066
$37^{26} - 7^{39}$		.066

Table 4.1

Master Grid Mapping

A. County Fulton

B. Subcounty Area Set Industrial

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{26} - 7^{41}$	15-TC	.013
$37^{24} - 7^{27}$		.048
$37^{24} - 7^{31}$		.066
$37^{24} - 7^{33}$		.066
$37^{24} - 7^{35}$		.042
$37^{22} - 7^{31}$		.033
$37^{22} - 7^{33}$		.041
$37^{22} - 7^{35}$		.021
$37^{52} - 7^{35}$	17-B	.060
$37^{52} - 7^{39}$		.241
$37^{48} - 7^{35}$		.120
$37^{44} - 7^{35}$		.075
$37^{44} - 7^{39}$		.504

Table 4.1

Master Grid Mapping

A. **County** Fulton
B. **Subcounty Area Set** Industrial

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{10} - 7^{01}$	16 - S. Fulton	.108
$37^{10} - 7^{09}$		.114
$37^{10} - 7^{17}$		.102
$37^{10} - 7^{25}$		.080
$37^{10} - 7^{33}$		.023
$37^{18} - 7^{01}$		.051
$37^{18} - 7^{09}$		.102
$37^{18} - 7^{17}$		.114
$37^{18} - 7^{25}$		.097
$37^{18} - 7^{33}$		.028
$37^{26} - 7^{09}$		.011
$37^{26} - 7^{17}$		.091
$37^{26} - 7^{25}$		.040
$37^{34} - 7^{17}$		.017
$37^{34} - 7^{25}$		.023

Table 4.1

Master Grid Mapping

A. County Fulton
B. Subcounty Area Set Industrial

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{50} - 7^{33}$	18 - Sandy Spgs.	.065
$37^{50} - 7^{41}$		.081
$37^{58} - 7^{41}$		.226
$37^{58} - 7^{49}$		.145
$37^{64} - 7^{33}$		.048
$37^{64} - 7^{41}$		.274
$37^{64} - 7^{49}$		.145
$37^{64} - 7^{57}$		.016
$37^{58} - 7^{57}$	19 - N. Fulton	.023
$37^{64} - 7^{33}$		.023
$37^{64} - 7^{41}$		.034
$37^{64} - 7^{49}$		.126
$37^{64} - 7^{57}$		.149
$37^{64} - 7^{65}$		.057
$37^{72} - 7^{33}$		.034

Table 4.1

Master Grid Mapping

A. County Fulton
B. Subcounty Area Set Industrial

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{72} - 7^{41}$	19 - N. Fulton	.195
$37^{72} - 7^{49}$		.184
$37^{72} - 7^{57}$		.034
$37^{80} - 7^{41}$		.057
$37^{80} - 7^{49}$		.080

Table 4.1

Master Grid Mapping

A. **County** Fulton

B. **Subcounty Area Set** Commercial/Institutional-Solid Waste

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{39} - 7^{41}$	10-CBD	.170
$37^{39} - 7^{42}$		.149
$37^{38} - 7^{41}$		.191
$37^{38} - 7^{42}$		.106
$37^{37} - 7^{41}$		.191
$37^{37} - 7^{42}$		.149
$37^{36} - 7^{43}$		.044
$37^{44} - 7^{39}$	11-NE	.090
$37^{42} - 7^{41}$		.073
$37^{42} - 7^{43}$		.122
$37^{42} - 7^{45}$		.039
$37^{40} - 7^{39}$		.073
$37^{40} - 7^{41}$		.122
$37^{40} - 7^{43}$		.122
$37^{40} - 7^{45}$		.039

Table 4.1

Master Grid Mapping

A. County Fulton
B. Subcounty Area Set Commercial/Institutional-Solid Waste

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{38} - 7^{39}$	11-NE	.013
$37^{39} - 7^{41}$		.013
$37^{39} - 7^{42}$		.020
$37^{38} - 7^{42}$		.020
$37^{38} - 7^{43}$		.122
$37^{38} - 7^{45}$		.041
$37^{37} - 7^{42}$		.013
$37^{36} - 7^{43}$		.056
$37^{36} - 7^{45}$		.022
$37^{44} - 7^{33}$	12-NW	.023
$37^{44} - 7^{35}$		.104
$37^{44} - 7^{39}$		.064
$37^{42} - 7^{39}$		.050
$37^{42} - 7^{41}$		.025
$37^{40} - 7^{27}$		.037

Table 4.1

Master Grid Mapping

A. County Fulton
B. Subcounty Area Set Commercial/Institutional-Solid Waste

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{40} - 7^{31}$	12-NW	.191
$37^{40} - 7^{35}$		.207
$37^{40} - 7^{39}$		.025
$37^{36} - 7^{27}$		.012
$37^{38} - 7^{31}$		.021
$37^{38} - 7^{33}$		.047
$37^{38} - 7^{35}$		.052
$37^{38} - 7^{37}$		.052
$37^{38} - 7^{39}$		.047
$37^{36} - 7^{33}$		.008
$37^{36} - 7^{35}$		.012
$37^{36} - 7^{37}$		.009
$37^{37} - 7^{39}$		.004
$37^{37} - 7^{40}$		.004
$37^{37} - 7^{41}$		.001

Table 4.1

Master Grid Mapping

A. County Fulton
B. Subcounty Area Set Commercial/Institutional-Solid Waste

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
37^{38} - 7^{41}	12-NW	.004
37^{39} - 7^{41}	12-NW	.001
37^{36} - 7^{39}	13-SE	.002
37^{36} - 7^{40}		.010
37^{36} - 7^{41}		.015
37^{36} - 7^{42}		.015
37^{36} - 7^{43}		.030
37^{36} - 7^{45}		.012
37^{34} - 7^{39}		.035
37^{34} - 7^{41}		.061
37^{34} - 7^{43}		.061
37^{34} - 7^{45}		.024
37^{34} - 7^{37}		.002
37^{32} - 7^{37}		.012
37^{32} - 7^{39}		.061

Table 4.1

Master Grid Mapping

A. County Fulton
B. Subcounty Area Set Commercial/Institutional-Solid Waste

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{32} - 7^{41}$	13-SE	.061
$37^{32} - 7^{43}$		.061
$37^{32} - 7^{45}$		.026
$37^{30} - 7^{37}$		.005
$37^{30} - 7^{39}$		.049
$37^{30} - 7^{41}$		.061
$37^{30} - 7^{43}$		.061
$37^{30} - 7^{45}$		.026
$37^{28} - 7^{39}$		.033
$37^{28} - 7^{41}$		.055
$37^{28} - 7^{43}$		.061
$37^{28} - 7^{45}$		.026
$37^{26} - 7^{41}$		.049
$37^{26} - 7^{43}$		.061
$37^{26} - 7^{45}$		.027

Table 4.1

Master Grid Mapping

A. County Fulton
B. Subcounty Area Set Commercial/Institutional-Solid Waste

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{36} - 7^{23}$	14-SW	.022
$37^{36} - 7^{27}$		.130
$37^{38} - 7^{31}$		.025
$37^{38} - 7^{33}$		.004
$37^{36} - 7^{31}$		.036
$37^{36} - 7^{33}$		.030
$37^{36} - 7^{35}$		.029
$37^{36} - 7^{37}$		.031
$37^{37} - 7^{39}$		.008
$37^{37} - 7^{40}$		.008
$37^{36} - 7^{39}$		.009
$37^{36} - 7^{40}$		.003
$37^{32} - 7^{23}$		.004
$37^{32} - 7^{27}$		.125
$37^{32} - 7^{31}$		.143

Table 4.1

Master Grid Mapping

A. **County** Fulton
B. **Subcounty Area Set** Commercial/Institutional-Solid Waste

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
37^{34} - 7^{35}	14-SW	.036
37^{34} - 7^{37}		.035
37^{34} - 7^{39}		.011
37^{32} - 7^{35}		.032
37^{32} - 7^{37}		.029
37^{28} - 7^{27}		.115
37^{30} - 7^{31}		.036
37^{30} - 7^{33}		.014
37^{30} - 7^{35}		.006
37^{30} - 7^{37}		.004
37^{28} - 7^{31}		.033
37^{28} - 7^{33}		.002
37^{26} - 7^{31}		.006
37^{24} - 7^{27}		.036
37^{32} - 7^{35}	15-TC	.008

Table 4.1

Master Grid Mapping

A. County Fulton

B. Subcounty Area Set Commercial/Institutional-Solid Waste

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{30} - 7^{33}$	15-TC	.040
$37^{30} - 7^{35}$		.054
$37^{30} - 7^{37}$		.050
$37^{30} - 7^{39}$		.013
$37^{28} - 7^{31}$		.005
$37^{28} - 7^{33}$		.005
$37^{28} - 7^{35}$		.066
$37^{28} - 7^{37}$		.066
$37^{28} - 7^{39}$		.031
$37^{28} - 7^{41}$		.007
$37^{26} - 7^{31}$		.056
$37^{26} - 7^{33}$		.066
$37^{26} - 7^{35}$		.066
$37^{26} - 7^{37}$		.066
$37^{26} - 7^{39}$		.066

Table 4.1

Master Grid Mapping

A. County Fulton
B. Subcounty Area Set Commercial/Institutional-Solid Waste

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{26} - 7^{41}$	15-TC	.013
$37^{24} - 7^{27}$		.048
$37^{24} - 7^{31}$		.066
$37^{24} - 7^{33}$		.066
$37^{24} - 7^{35}$		.042
$37^{22} - 7^{31}$		.033
$37^{22} - 7^{33}$		.041
$37^{22} - 7^{35}$		.021
$37^{52} - 7^{35}$	17-B	.060
$37^{52} - 7^{39}$		.241
$37^{48} - 7^{35}$		.120
$37^{44} - 7^{35}$		.075
$37^{44} - 7^{39}$		.504

Table 4.1

Master Grid Mapping

A. County Fulton
B. Subcounty Area Set Commercial/Institutional-Solid Waste

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{10} - 7^{01}$	Residual	.058
$37^{10} - 7^{09}$		.061
$37^{10} - 7^{17}$		.055
$37^{10} - 7^{25}$		.043
$37^{10} - 7^{33}$		.012
$37^{18} - 7^{01}$		.028
$37^{18} - 7^{09}$		.055
$37^{18} - 7^{17}$		.061
$37^{18} - 7^{25}$		.052
$37^{18} - 7^{33}$		.015
$37^{26} - 7^{09}$		.006
$37^{26} - 7^{17}$		.049
$37^{26} - 7^{25}$		.022
$37^{34} - 7^{17}$		.009
$37^{34} - 7^{25}$		.012

Table 4.1

Master Grid Mapping

A. County Fulton
B. Subcounty Area Set Commercial/Institutional-Solid Waste

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
$37^{50} - 7^{33}$	Residual	.012
$37^{50} - 7^{41}$		.015
$37^{58} - 7^{41}$		.043
$37^{58} - 7^{49}$		.028
$37^{64} - 7^{33}$		.009
$37^{64} - 7^{41}$		.052
$37^{64} - 7^{49}$		.028
$37^{64} - 7^{57}$		.003
$37^{58} - 7^{57}$		.006
$37^{64} - 7^{33}$		.006
$37^{64} - 7^{41}$		.009
$37^{64} - 7^{49}$		.034
$37^{64} - 7^{57}$		.040
$37^{64} - 7^{65}$		.015
$37^{72} - 7^{33}$		.009

Table 4.1

Master Grid Mapping

A. County Fulton
B. Subcounty Area Set Commercial/Institutional-Solid Waste

(1) Master Grid Designation	(2) Subcounty Area Designation	(3) Fraction of Subcounty Area in Master Grid
37^{72} - 7^{41}	Residual	.052
37^{72} - 7^{49}		.049
37^{72} - 7^{57}		.009
37^{80} - 7^{41}		.015
37^{80} - 7^{49}		.022

B.4 Master Grid Emissions

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1970

	Emissions (tons/yr)				
(1) Master Grid Designation	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
1. 37^{10} - 7^{01}	82.5	15.3	1344.3		
2. 37^{10} - 7^{09}	87.0	16.0	1413.8		
3. 37^{10} - 7^{17}	80.9	18.1	1604.2		
4. 37^{10} - 7^{25}	63.2	13.9	1281.1		
5. 37^{10} - 7^{33}	17.4	3.2	278.3		
6. 37^{18} - 7^{01}	39.4	7.4	648.7		
7. 37^{18} - 7^{09}	78.2	14.5	1274.7		
8. 37^{18} - 7^{17}	87.8	17.0	1514.0		
9. 37^{18} - 7^{25}	75.2	14.8	1379.5		
10. 37^{18} - 7^{33}	20.9	3.3	279.3		
11. 37^{26} - 7^{09}	8.4	1.6	139.1		
12. 37^{26} - 7^{17}	69.6	13.0	1135.7		
13. 37^{26} - 7^{25}	29.4	3.9	281.7		
14. 37^{34} - 7^{17}	11.5	.7	3.5		
15. 37^{34} - 7^{25}	15.5	1.0	4.8		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1970

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
16. 37^{22} - 7^{31}	55.1	22.2	687.5		
17. 37^{22} - 7^{33}	66.4	23.5	621.0		
18. 37^{22} - 7^{35}	33.9	11.1	345.1		
19. 37^{24} - 7^{27}	118.8	34.0	1249.0		
20. 37^{24} - 7^{31}	101.2	33.6	53.9		
21. 37^{24} - 7^{33}	104.8	34.6	716.0		
22. 37^{24} - 7^{35}	66.8	21.9	484.1		
23. 37^{26} - 7^{31}	99.0	37.4	1055.7		
24. 37^{26} - 7^{33}	109.7	42.2	1376.0		
25. 37^{26} - 7^{35}	105.3	34.7	829.5		
26. 37^{26} - 7^{37}	105.1	35.9	714.9		
27. 37^{26} - 7^{39}	107.9	42.0	993.9		
28. 37^{26} - 7^{41}	97.7	26.5	2168.6		
29. 37^{26} - 7^{43}	90.1	15.7	1718.3		
30. 37^{26} - 7^{45}	39.2	6.6	661.5		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1970

	Emissions (tons/yr)				
(1) Master Grid Designation	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
31. 37^{28} - 7^{27}	148.3	29.8	4748.0		
32. 37^{28} - 7^{31}	44.1	8.4	232.5		
33. 37^{28} - 7^{33}	18.2	13.0	1253.8		
34. 37^{28} - 7^{35}	109.4	43.5	1261.3		
35. 37^{28} - 7^{37}	109.4	43.5	1261.3		
36. 37^{28} - 7^{39}	105.7	35.5	2334.0		
37. 37^{28} - 7^{41}	93.3	19.9	1737.0		
38. 37^{28} - 7^{43}	90.1	15.7	1718.3		
39. 37^{28} - 7^{45}	37.9	6.5	661.4		
40. 37^{30} - 7^{31}	47.8	9.8	1711.9		
41. 37^{30} - 7^{33}	86.5	31.3	1723.5		
42. 37^{30} - 7^{35}	98.8	38.6	1540.6		
43. 37^{30} - 7^{37}	97.3	37.1	1540.8		
44. 37^{30} - 7^{39}	94.9	23.1	1761.9		
45. 37^{30} - 7^{41}	88.6	14.9	1455.6		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1970

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
46. 37^{30} - 7^{43}	90.1	15.7	1718.3		
47. 37^{30} - 7^{45}	37.9	11.5	661.4		
48. 37^{32} - 7^{23}	6.2	2.9	296.8		
49. 37^{32} - 7^{27}	146.2	24.0	2476.3		
50. 37^{32} - 7^{31}	184.3	36.6	5865.2		
51. 37^{32} - 7^{35}	46.0	7.9	5.0		
52. 37^{32} - 7^{37}	46.5	5.4	5.8		
53. 37^{32} - 7^{39}	87.1	14.0	1192.9		
54. 37^{32} - 7^{41}	90.1	15.7	1718.3		
55. 37^{32} - 7^{43}	90.1	15.7	1718.3		
56. 37^{32} - 7^{45}	37.9	6.4	661.4		
57. 37^{34} - 7^{35}	47.8	9.8	1711.9		
58. 37^{34} - 7^{37}	49.3	10.0	1712.2		
59. 37^{34} - 7^{39}	67.4	12.6	1715.1		
60. 37^{34} - 7^{41}	90.1	15.7	1718.3		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1970

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
61. 37^{34} - 7^{43}	90.1	15.7	1718.3		
62. 37^{34} - 7^{45}	35.3	6.1	661.0		
63. 37^{36} - 7^{23}	23.5	3.0	48.4		
64. 37^{36} - 7^{27}	270.3	43.5	2325.3		
65. 37^{36} - 7^{31}	47.8	9.8	1711.9		
66. 37^{36} - 7^{33}	121.1	21.1	1712.9		
67. 37^{36} - 7^{35}	159.9	28.3	1713.6		
68. 37^{36} - 7^{37}	132.2	23.9	1713.2		
69. 37^{36} - 7^{39}	14.3	2.7	395.5		
70. 37^{36} - 7^{40}	18.5	3.4	396.2		
71. 37^{36} - 7^{41}	22.0	3.8	396.7		
72. 37^{36} - 7^{42}	22.0	3.8	396.7		
73. 3736 - 7^{43}	651.2	162.8	2203.5		
74. 37^{36} - 7^{45}	184.1	31.4	847.1		
75. 37^{37} - 7^{39}	50.5	8.7	395.9		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1970

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
76. 37^{37} - 7^{40}	50.5	8.7	395.9		
77. 37^{37} - 7^{41}	806.3	361.8	443.1		
78. 37^{37} - 7^{42}	719.0	297.4	543.4		
79. 37^{38} - 7^{31}	245.4	42.5	1715.0		
80. 37^{38} - 7^{33}	482.4	82.1	1717.8		
81. 37^{38} - 7^{35}	527.9	89.8	1718.3		
82. 37^{38} - 7^{37}	527.9	89.8	1718.3		
83. 37^{38} - 7^{39}	575.5	97.8	1828.6		
84. 37^{38} - 7^{41}	836.3	366.7	443.8		
85. 37^{38} - 7^{42}	592.6	225.4	592.3		
86. 37^{38} - 7^{43}	922.6	157.2	2751.8		
87. 37^{38} - 7^{45}	306.9	51.0	351.0		
88. 37^{39} - 7^{41}	816.3	338.5	549.0		
89. 37^{39} - 7^{42}	771.4	306.1	603.3		
90. 37^{40} - 7^{27}	369.1	60.4	53.4		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1970

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
91. 37^{40} - 7^{31}	1939.1	329.9	6344.4		
92. 37^{40} - 7^{35}	2103.1	358.3	7135.8		
93. 37^{40} - 7^{39}	805.1	136.9	2337.7		
94. 37^{40} - 7^{41}	922.6	157.2	2751.8		
95. 37^{40} - 7^{43}	922.6	157.2	2751.8		
96. 37^{40} - 7^{45}	295.6	50.6	990.5		
97. 37^{42} - 7^{39}	508.1	86.5	1718.0		
98. 37^{42} - 7^{41}	805.1	136.9	2337.7		
99. 37^{42} - 7^{43}	922.6	157.2	2751.8		
100. 37^{42} - 7^{45}	295.6	50.6	990.5		
101. 37^{44} - 7^{33}	233.0	39.4	661.6		
102. 37^{44} - 7^{35}	1093.1	193.9	6594.8		
103. 37^{44} - 7^{39}	1571.9	318.4	23790.2		
104. 37^{48} - 7^{35}	54.4	20.2	4126.4		
105. 37^{52} - 7^{35}	16.7	4.6	164.3		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1970

	Emissions (tons/yr)				
(1) Master Grid Designation	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
106. 37^{52} - 7^{39}	69.6	21.8	1067.4		
107. 37^{50} - 7^{33}	5.6	.6	.6		
108. 37^{50} - 7^{41}	7.0	.7	.7		
109. 37^{58} - 7^{33}	0	0	0		
110. 37^{58} - 7^{41}	26.8	10.1	982.2		
111. 37^{58} - 7^{49}	17.5	6.6	639.5		
112. 37^{58} - 7^{57}	3.7	1.4	137.1		
113. 37^{64} - 7^{33}	8.4	2.4	205.8		
114. 37^{64} - 7^{41}	46.3	23.9	2650.0		
115. 37^{64} - 7^{49}	38.5	14.3	1393.3		
116. 37^{64} - 7^{57}	26.3	9.4	913.7		
117. 37^{64} - 7^{65}	9.3	3.5	342.6		
118. 37^{72} - 7^{33}	5.6	2.1	205.5		
119. 37^{72} - 7^{41}	32.4	12.2	1187.7		
120. 37^{72} - 7^{49}	30.5	11.5	1119.2		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1970

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
121. 37^{72} - 7^{57}	5.6	2.1	205.5		
122. 37^{80} - 7^{41}	9.3	3.5	342.6		
123. 37^{80} - 7^{49}	13.7	5.2	502.5		
37 - 7					
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Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1975

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
1. 37^{10}- 7^{01}	122.9	24.4	1399.6		
2. 37^{10}- 7^{09}	129.5	25.6	1472.1		
3. 37^{10}- 7^{17}	119.6	27.6	1644.5		
4. 37^{10}- 7^{25}	93.8	21.5	1317.6		
5. 37^{10}- 7^{33}	25.8	5.1	289.7		
6. 37^{18}- 7^{01}	58.6	11.7	675.4		
7. 37^{18}- 7^{09}	116.1	23.1	1327.1		
8. 37^{18}- 7^{17}	130.5	27.0	1569.1		
9. 37^{18}- 7^{25}	111.5	23.0	1417.9		
10. 37^{18}- 7^{33}	31.0	5.5	291.3		
11. 37^{26}- 7^{09}	12.6	2.4	144.8		
12. 37^{26}- 7^{17}	103.6	20.6	1182.4		
13. 37^{26}- 7^{25}	43.5	6.4	294.8		
14. 37^{34}- 7^{17}	16.9	1.2	5.0		
15. 37^{34}- 7^{25}	22.8	1.6	6.7		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1975

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
16. 37^{22} - 7^{31}	62.1	27.0	457.9		
17. 37^{22} - 7^{33}	75.4	29.1	497.2		
18. 37^{22} - 7^{35}	38.7	13.9	296.2		
19. 37^{24} - 7^{27}	131.6	41.5	882.8		
20. 37^{24} - 7^{31}	114.5	41.8	56.2		
21. 37^{24} - 7^{33}	119.2	43.2	619.2		
22. 37^{24} - 7^{35}	76.0	27.4	415.7		
23. 37^{26} - 7^{31}	111.3	45.7	712.1		
24. 37^{26} - 7^{33}	124.1	51.6	982.4		
25. 37^{26} - 7^{35}	119.9	43.2	712.3		
26. 37^{26} - 7^{37}	119.2	44.5	570.1		
27. 37^{26} - 7^{39}	120.8	50.3	591.9		
28. 37^{26} - 7^{41}	99.9	28.6	1284.0		
29. 37^{26} - 7^{43}	89.5	15.9	1016.9		
30. 37^{26} - 7^{45}	39.1	6.8	391.8		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1975

	Emissions (tons/yr)				
(1) Master Grid Designation	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
31. 37^{28}- 7^{27}	154.8	31.3	2863.3		
32. 37^{28}- 7^{31}	47.3	9.5	156.3		
33. 37^{28}- 7^{33}	20.1	15.1	832.2		
34. 37^{28}- 7^{35}	123.3	52.9	840.2		
35. 37^{28}- 7^{37}	123.3	52.9	840.2		
36. 37^{28}- 7^{39}	111.7	40.1	1423.2		
37. 37^{28}- 7^{41}	94.3	21.1	1028.5		
38. 37^{28}- 7^{43}	89.5	15.9	1016.9		
39. 37^{28}- 7^{45}	37.8	6.6	391.6		
40. 37^{30}- 7^{31}	49.4	10.1	1010.1		
41. 37^{30}- 7^{33}	95.5	37.1	1077.4		
42. 37^{30}- 7^{35}	110.4	46.5	995.7		
43. 37^{30}- 7^{37}	107.9	44.6	995.9		
44. 37^{30}- 7^{39}	97.5	25.7	1084.9		
45. 37^{30}- 7^{41}	88.1	15.1	862.2		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1975

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
46. 37^{30}- 7^{43}	89.5	15.9	1016.9		
47. 37^{30}- 7^{45}	37.8	6.6	391.6		
48. 37^{32}- 7^{23}	7.8	4.3	307.1		
49. 37^{32}- 7^{27}	154.3	26.3	1567.3		
50. 37^{32}- 7^{31}	191.7	38.0	3492.2		
51. 37^{32}- 7^{35}	49.7	9.2	5.5		
52. 37^{32}- 7^{37}	48.3	5.9	6.3		
53. 37^{32}- 7^{39}	86.7	14.3	707.6		
54. 37 32- 7 41	89.5	15.9	1016.9		
55. 37^{32}- 7^{43}	89.5	15.9	1016.9		
56. 37 32- 7 45	37.8	6.6	391.6		
57. 37 34- 7 35	49.4	10.1	1010.1		
58. 37^{34}- 7^{37}	51.0	10.3	1010.4		
59. 37^{34}- 7^{39}	67.5	12.9	1013.5		
60. 37^{34}- 7^{41}	89.5	15.9	1016.9		

Table 4.2

Master Grid Emissions

A. County Fulton

B. Year 1975

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
61. 37^{34}- 7^{43}	89.5	15.9	1016.9		
62. 37^{34}- 7^{45}	35.1	6.2	391.2		
63. 37^{36}- 7^{23}	25.1	3.4	50.2		
64. 37^{36}- 7^{27}	303.4	49.1	1469.8		
65. 37^{36}- 7^{31}	49.4	10.1	1010.1		
66. 37^{36}- 7^{33}	138.9	24.7	1011.2		
67. 37^{36}- 7^{35}	186.0	32.0	1012.0		
68. 37^{36}- 7^{37}	152.0	26.7	1011.5		
69. 37^{36}- 7^{39}	14.9	2.8	233.6		
70. 37^{36}- 7^{40}	18.7	3.4	234.3		
71. 37^{36}- 7^{41}	21.8	3.9	234.9		
72. 37 36- 7 42	21.8	3.9	234.9		
73. 37 36- 7 43	720.0	195.0	1560.5		
74. 37^{36}- 7^{45}	208.8	38.1	599.9		
75. 37^{37}- 7^{39}	59.1	9.9	234.0		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 19.5

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
76. 37^{37} - 7^{40}	59.1	9.9	234.0		
77. 37^{37} - 7^{41}	834.8	431.3	285.6		
78. 37^{37} - 7^{42}	754.4	355.1	398.3		
79. 37^{38} - 7^{31}	289.7	48.7	1013.5		
80. 37^{38} - 7^{33}	579.0	95.4	1016.6		
81. 37^{38} - 7^{35}	634.6	104.4	1017.3		
82. 37^{38} - 7^{37}	634.6	104.4	1017.3		
83. 37^{38} - 7^{39}	781.2	141.7	1182.0		
84. 37^{38} - 7^{41}	870.9	437.0	286.3		
85. 37^{38} - 7^{42}	629.7	269.6	453.5		
86. 37^{38} - 7^{43}	1059.7	192.9	2175.5		
87. 37^{38} - 7^{45}	353.0	63.0	393.3		
88. 37^{39} - 7^{41}	761.9	377.2	363.2		
89. 37^{39} - 7^{42}	814.6	356.9	465.5		
90. 37^{40} - 7^{27}	445.6	71.0	55.3		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1975

	Emissions (tons/yr)				
(1) Master Grid Designation	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
91. 37^{40}- 7^{31}	2331.3	383.7	3755.9		
92. 37^{40}- 7^{35}	2528.0	416.7	4223.5		
93. 37^{40}- 7^{39}	938.4	165.2	1711.3		
94. 37^{40}- 7^{41}	1059.7	192.9	2175.5		
95. 37^{40}- 7^{43}	1059.7	192.9	2175.5		
96. 37^{40}- 7^{45}	339.4	62.0	760.7		
97. 37^{42}- 7^{39}	610.6	100.6	1016.8		
98. 37^{42}- 7^{41}	938.4	165.2	1711.3		
99. 37^{42}- 7^{43}	1059.7	192.9	2175.5		
100. 37^{42}- 7^{45}	342.9	64.0	1147.3		
101. 37^{44}- 7^{33}	280.2	45.9	392.0		
102. 37^{44}- 7^{35}	1307.9	223.6	3896.9		
103. 37^{44}- 7^{39}	1813.9	366.0	14495.0		
104. 37^{48}- 7^{35}	56.9	21.1	2454.8		
105. 37^{52}- 7^{35}	19.2	5.8	170.5		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1975

(1) Master Grid Designation	Emissions (tons/yr) (2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
106. $37^{52} - 7^{39}$	81.2	28.4	1106.4		
107. $37^{50} - 7^{33}$	9.7	1.1	1.1		
108 $37^{50} - 7^{41}$	12.1	1.4	1.4		
109 $37^{58} - 7^{33}$	0.0	0.0	0.0		
110. $37^{58} - 7^{41}$	45.5	16.3	1018.0		
111. $37^{58} - 7^{49}$	29.6	10.6	662.9		
112. $37^{58} - 7^{57}$	6.3	2.2	142.1		
113. $37^{64} - 7^{33}$	14.3	3.9	213.6		
114. $37^{64} - 7^{41}$	73.5	37.2	2555.6		
115. $37^{64} - 7^{49}$	65.3	23.2	1444.2		
116. $37^{64} - 7^{57}$	44.7	15.5	947.3		
117. $37^{64} - 7^{65}$	15.9	5.7	355.1		
118 $37^{72} - 7^{33}$	9.5	3.7	213.3		
119. $37^{72} - 7^{41}$	55.0	19.7	1231.0		
120. $37^{72} - 7^{49}$	51.8	18.6	1160.1		

Table 4.2

Master Grid Emissions

A. County Fulton

B. Year 1975

	Emissions (tons/yr)				
(1) Master Grid Designation	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
121. 37^{72}- 7^{57}	9.5	3.7	213.3		
122. 37^{80}- 7^{41}	15.9	5.7	355.1		
123. 37^{80}- 7^{49}	5.6	6.4	518.8		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1980

(1) Master Grid Designation	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
	Emissions (tons/yr)				
1. 37^{10}- 7^{01}	164.1	31.1	755.6		
2. 37^{10}- 7^{09}	173.0	32.7	794.9		
3. 37^{10}- 7^{17}	160.7	35.5	934.0		
4. 37^{10}- 7^{25}	127.8	28.3	851.6		
5. 37^{10}- 7^{33}	34.4	6.5	156.5		
6. 37^{18}- 7^{01}	78.4	15.0	364.4		
7. 37^{18}- 7^{09}	155.4	29.5	716.5		
8. 37 18- 7 17	174.6	34.5	859.9		
9. 37^{18}- 7^{25}	155.5	32.4	1128.9		
10. 37^{18}- 7 33	41.6	7.0	158.6		
11. 37 26- 7 09	16.9	3.2	78.1		
12. 37 26- 7 17	138.5	26.2	638.4		
13. 37 26- 7 25	58.5	8.3	163.5		
14. 37^{34}- 7 17	23.0	1.7	6.8		
15. 37^{34}- 7 25	30.8	2.3	9.1		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1980

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
16. 37^{22} - 7^{31}	70.2	32.5	221.6		
17. 37^{22} - 7^{33}	86.1	35.6	286.0		
18. 37^{22} - 7^{35}	44.5	17.2	183.2		
19. 37^{24} - 7^{27}	146.1	49.5	409.1		
20. 37^{24} - 7^{31}	129.6	51.0	34.1		
21. 37^{24} - 7^{33}	136.3	53.1	382.2		
22. 37^{24} - 7^{35}	87.1	33.7	258.0		
23. 37^{26} - 7^{31}	125.5	54.7	346.4		
24. 37^{26} - 7^{33}	141.0	62.4	514.8		
25. 37^{26} - 7^{35}	137.4	151.5	441.6		
26. 37^{26} - 7^{37}	135.8	54.4	333.7		
27. 37^{26} - 7^{39}	136.2	60.0	273.6		
28. 37^{26} - 7^{41}	104.8	31.3	559.6		
29. 37^{26} - 7^{43}	91.2	16.5	430.0		
30 37^{26} - 7^{45}	39.8	7.0	166.2		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1980

(1) Master Grid Designation	Emissions (tons/yr) (2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
31. 37^{28} - 7^{27}	164.1	32.8	1214.8		
32. 37^{28} - 7^{31}	51.4	11.0	80.8		
33. 37^{28} - 7^{33}	22.6	17.5	398.4		
34. 37^{28} - 7^{35}	139.4	63.6	406.9		
35. 37^{28} - 7^{37}	139.4	63.6	406.9		
36. 37^{28} - 7^{39}	124.1	45.9	637.5		
37. 37^{28} - 7^{41}	97.4	22.6	441.2		
38. 37^{28} - 7^{43}	91.2	16.5	430.0		
39. 37^{28} - 7^{45}	38.5	6.8	165.9		
40. 37^{30} - 7^{31}	52.2	10.5	422.9		
41. 37^{30} - 7^{33}	106.4	43.8	485.6		
42. 37^{30} - 7^{35}	124.4	55.4	466.4		
43. 37^{30} - 7^{37}	121.0	53.1	466.5		
44. 37^{30} - 7^{39}	102.4	28.7	481.7		
45. 37^{30} - 7^{41}	89.8	15.7	365.8		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1980

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
46. 37^{30}- 7^{43}	91.2	16.5	430.0		
47. 37^{30}- 7^{45}	38.5	6.8	165.9		
48. 37^{32}- 7^{23}	8.7	5.2	160.3		
49. 37^{32}- 7^{27}	165.1	28.1	687.2		
50. 37^{32}- 7^{31}	203.1	39.4	1471.1		
51. 37^{32}- 7^{35}	54.1	10.6	5.9		
52. 37^{32}- 7^{37}	51.0	6.3	6.8		
53. 37^{32}- 7^{39}	88.5	14.9	301.5		
54. 37^{32}- 7^{41}	91.2	16.5	430.0		
55. 37^{32}- 7^{43}	91.2	16.5	430.0		
56. 37^{32}- 7^{45}	38.5	6.8	165.9		
57. 37^{34}- 7^{35}	52.2	10.5	422.9		
58. 37^{34}- 7^{37}	53.7	10.7	423.1		
59. 37^{34}- 7^{39}	69.3	13.2	426.4		
60. 37^{34}- 7^{41}	91.2	16.5	430.0		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1980

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
61. 37^{34} - 7^{43}	91.2	16.5	430.0		
62. 37^{34} - 7^{45}	35.8	6.4	165.6		
63. 37^{36} - 7^{23}	27.0	3.7	27.9		
64. 37^{36} - 7^{27}	345.7	55.5	646.6		
65. 37^{36} - 7^{31}	52.2	10.5	422.9		
66. 37^{36} - 7^{33}	162.2	28.0	424.0		
67. 37^{36} - 7^{35}	219.6	37.1	425.0		
68. 37^{36} - 7^{37}	178.1	30.5	424.4		
37^{36} - 7^{39}	15.6	2.9	98.1		
70. 37^{36} - 7^{40}	19.2	3.6	98.1		
71. 37^{36} - 7^{41}	22.4	4.0	99.5		
72. 37^{36} - 7^{42}	22.4	4.0	99.5		
73. 37^{36} - 7^{43}	856.3	238.0	1078.7		
74. 37^{36} - 7^{45}	243.3	44.2	254.5		
75. 37^{37} - 7^{39}	70.3	11.6	98.6		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1980

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
76. 37 37- 7 40	70.3	11.6	98.6		
77. 37 37- 7 41	1008.6	525.8	154.8		
78. 37 37- 7 42	910.2	433.3	290.7		
79. 37 38- 7 31	346.7	57.3	426.7		
80. 37 38- 7 33	702.3	114.3	430.2		
81. 37 38- 7 35	770.8	125.2	431.0		
82. 37 38- 7 37	770.8	125.2	431.0		
83. 37 38- 7 39	831.8	138.5	578.5		
84. 37 38- 7 41	1052.6	532.5	155.6		
85. 37 38- 7 42	759.1	329.2	256.8		
86. 37 38- 7 43	1269.0	238.3	1815.2		
87. 37 38- 7 45	423.5	78.3	469.7		
88. 37 39- 7 41	1033.8	493.1	297.3		
89. 37 39- 7 42	982.5	446.7	371.0		
90. 37 40- 7 27	542.8	85.9	34.1		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1980

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
91. 37^{40} - 7^{31}	2831.5	459.9	1591.0		
92. 37^{40} - 7^{35}	3069.9	499.1	1787.8		
93. 37^{40} - 7^{39}	1129.2	202.4	1260.4		
94. 37^{40} - 7^{41}	1272.4	240.4	1975.8		
95. 37^{40} - 7^{43}	1269.0	238.3	1815.2		
96. 37^{40} - 7^{45}	406.2	76.6	607.4		
97. 37^{42} - 7^{39}	741.5	120.5	430.4		
98. 37^{42} - 7^{41}	1129.2	202.4	1260.4		
99. 37^{42} - 7^{43}	1269.0	238.3	1815.2		
100. 37^{42} - 7^{45}	406.2	76.6	607.4		
101. 37^{44} - 7^{35}	371.3	73.9	1612.1		
102. 37^{44} - 7^{39}	1552.1	246.9	194.9		
103. 37^{48} - 7^{35}	2064.4	413.8	6728.1		
104. 37^{48} - 7^{35}	61.7	22.2	1032.5		
105. 37^{52} - 7^{35}	22.0	6.8	92.0		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1980

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
106. 37^{52}- 7^{39}	93.9	33.4	589.3		
107. 37^{50}- 7^{33}	13.8	1.6	1.6		
108. 37^{50}- 7^{41}	17.3	2.0	2.0		
109. 37^{58}- 7^{33}	0.0	0.0	0.0		
110. 37^{58}- 7^{41}	62.4	20.7	533.8		
111. 37^{58}- 7^{49}	40.6	13.5	347.7		
112. 37^{58}- 7^{57}	8.7	2.9	74.5		
113. 37^{64}- 7^{33}	20.0	5.2	112.5		
114. 37^{64}- 7^{41}	109.3	50.2	1691.1		
115. 37^{64}- 7^{49}	89.6	29.6	757.7		
116. 37^{64}- 7^{57}	77.3	19.6	497.2		
117. 37^{64}- 7^{65}	21.8	7.3	186.2		
118. 37^{72}- 7^{33}	13.1	4.4	111.7		
119. 37^{72}- 7^{41}	75.4	25.1	645.8		
120. 37^{72}- 7^{49}	71.1	23.6	608.6		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1980

	Emissions (tons/yr)				
(1) Master Grid Designation	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
121. $37^{72} - 7^{57}$	13.1	4.4	111.7		
122. $37^{80} - 7^{41}$	21.8	7.3	186.2		
123. $37^{80} - 7^{49}$	31.9	10.6	273.2		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1985

(1) Master Grid Designation	Emissions (tons/yr) (2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
1. 37^{10} - 7^{01}	217.7	45.1	861.0		
2. 37^{10} - 7^{09}	229.3	47.5	905.7		
3. 37^{10} - 7^{17}	212.5	50.8	989.5		
4. 37^{10} - 7^{25}	168.4	40.3	867.2		
5. 37^{10} - 7^{33}	45.7	9.4	178.4		
6. 37^{18} - 7^{01}	104.1	21.7	415.1		
7. 37^{18} - 7^{09}	206.1	42.9	816.3		
8. 37^{18} - 7^{17}	231.2	49.9	959.0		
9. 37^{18} - 7^{25}	203.1	44.7	1066.2		
10. 37^{18} - 7^{33}	54.9	10.1	181.1		
11. 37^{26} - 7^{09}	22.4	4.7	89.0		
12. 37^{26} - 7^{17}	183.6	38.2	727.3		
13. 37^{26} - 7^{25}	76.9	11.8	187.7		
14. 37^{34} - 7^{17}	29.8	2.2	9.0		
15. 37^{34} - 7^{25}	40.0	3.1	12.2		

Table 4.2

Master Grid Emissions

A. County Fulton

B. Year 1985

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
16. 37^{22} - 7^{31}	78.2	157.6	144.9		
17. 37^{22} - 7^{33}	96.5	41.4	202.2		
18. 37^{22} - 7^{35}	49.6	19.9	124.2		
19. 37^{24} - 7^{27}	164.7	58.8	356.9		
20. 37^{24} - 7^{31}	146.3	59.9	42.3		
21. 37^{24} - 7^{33}	152.8	61.6	267.8		
22. 37^{24} - 7^{35}	97.3	39.0	176.5		
23. 37^{26} - 7^{31}	140.1	62.8	233.7		
24. 37^{26} - 7^{33}	157.2	71.4	340.7		
25. 37^{26} - 7^{35}	153.6	61.5	301.5		
26. 37^{26} - 7^{37}	152.1	63.0	227.7		
27. 37^{26} - 7^{39}	152.3	68.7	176.3		
28. 37^{26} - 7^{41}	171.0	33.8	361.8		
29. 37^{26} - 7^{43}	94.1	17.1	286.0		
30. 37^{26} - 7^{45}	41.2	7.3	110.8		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1985

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
31. 37^{28} - 7^{27}	178.5	36.0	834.9		
32. 37^{28} - 7^{31}	56.5	12.3	52.5		
33. 37^{28} - 7^{33}	23.8	18.9	253.8		
34. 37^{28} - 7^{35}	155.6	72.9	267.0		
35. 37^{28} - 7^{37}	155.6	72.9	267.0		
36. 37^{28} - 7^{39}	129.5	50.9	411.9		
37. 37^{28} - 7^{41}	101.8	24.4	290.4		
38. 37^{28} - 7^{43}	94.1	17.1	286.0		
39. 37^{28} - 7^{45}	41.7	9.9	156.8		
40. 37^{30} - 7^{31}	56.4	11.1	278.1		
41. 37^{30} - 7^{33}	117.8	49.9	318.4		
42. 37^{30} - 7^{35}	138.1	63.1	305.1		
43. 37^{30} - 7^{37}	133.7	60.3	305.1		
44. 37^{30} - 7^{39}	107.8	31.2	317.0		
45. 37^{30} - 7^{41}	92.8	16.3	244.1		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1985

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
46. 37^{30} - 7^{43}	94.1	17.1	286.0		
47. 37^{30} - 7^{45}	39.7	7.1	110.6		
48. 37^{32} - 7^{23}	11.5	7.5	180.7		
49. 37^{32} - 7^{27}	181.5	32.1	515.2		
50. 37^{32} - 7^{31}	220.2	42.6	986.5		
51. 37^{32} - 7^{35}	59.9	12.1	7.1		
52. 37^{32} - 7^{37}	55.2	6.9	7.5		
53. 37^{32} - 7^{39}	91.4	15.4	202.2		
54. 37^{32} - 7^{41}	94.1	17.1	286.0		
55. 37^{32} - 7^{43}	94.1	17.1	286.0		
56. 37^{32} - 7^{45}	39.7	7.1	110.6		
57. 37^{34} - 7^{35}	46.4	11.1	278.1		
58. 37^{34} - 7^{37}	57.9	11.4	278.4		
59. 37^{34} - 7^{39}	63.4	14.0	281.9		
60. 37^{34} - 7^{41}	94.1	17.1	286.0		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1985

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
61. $37^{34} - 7^{43}$	94.1	17.1	286.0		
62. $37^{34} - 7^{45}$	36.9	6.7	110.1		
63. $37^{36} - 7^{23}$	29.9	4.5	31.4		
64. $37^{36} - 7^{27}$	396.2	65.3	484.7		
65. $37^{36} - 7^{31}$	56.4	11.1	278.1		
66. $37^{36} - 7^{33}$	187.9	32.4	279.5		
67. $37^{36} - 7^{35}$	256.4	43.5	280.4		
68. $37^{36} - 7^{37}$	206.7	35.5	279.8		
69. $37^{36} - 7^{39}$	16.7	3.1	64.7		
70. $37^{36} - 7^{40}$	20.0	3.7	65.5		
71. $37^{36} - 7^{41}$	23.0	4.2	66.2		
72. $37^{36} - 7^{42}$	23.0	4.2	66.2		
73. $37^{36} - 7^{43}$	1013.3	287.5	1047.9		
74. $37^{36} - 7^{45}$	306.6	57.6	406.4		
75. $37^{37} - 7^{39}$	82.3	13.7	65.2		

Table 4.2

Master Grid Emissions

A. County Fulton

B. Year 1985

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
76. 37^{37} - 7^{40}	82.3	13.7	65.2		
77. 37^{37} - 7^{41}	1219.6	641.2	125.7		
78. 37^{37} - 7^{42}	1097.4	528.3	286.8		
79. 37^{38} - 7^{31}	408.0	68.1	282.4		
80. 37^{38} - 7^{33}	833.4	136.8	286.1		
81. 37^{38} - 7^{35}	915.3	150.1	287.0		
82. 37^{38} - 7^{37}	915.3	150.1	287.0		
83. 37^{38} - 7^{39}	987.4	166.2	460.6		
84. 37^{38} - 7^{41}	1271.8	649.4	126.6		
85. 37^{38} - 7^{42}	913.1	401.2	367.0		
86. 37^{38} - 7^{43}	1503.6	287.7	1915.6		
87. 37^{38} - 7^{45}	502.3	94.9	552.3		
88. 37^{39} - 7^{41}	1246.9	601.1	293.9		
89. 37^{39} - 7^{42}	1183.2	544.6	381.1		
90. 37^{40} - 7^{27}	645.9	104.0	38.2		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1985

	Emissions (tons/yr)				
(1) Master Grid Designation	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
91. $37^{40} - 7^{31}$	3362.0	551.5	1059.1		
92. $37^{40} - 7^{35}$	3655.0	598.7	1189.3		
93. $37^{40} - 7^{39}$	1339.0	244.0	1262.7		
94. $37^{40} - 7^{41}$	1503.6	287.7	1915.6		
95. $37^{40} - 7^{43}$	1503.6	287.7	1915.6		
96. $37^{40} - 7^{45}$	481.2	92.3	630.0		
97. $37^{42} - 7^{39}$	880.4	144.6	286.4		
98. $37^{42} - 7^{41}$	1339.0	244.0	1262.7		
99. $37^{42} - 7^{43}$	1503.6	287.7	1915.6		
100. $37^{42} - 7^{45}$	481.2	92.3	630.0		
101. $37^{44} - 7^{33}$	404.3	66.1	111.2		
102. $37^{44} - 7^{35}$	1875.5	316.5	1084.8		
103. $37^{44} - 7^{39}$	2531.3	503.3	4999.3		
104. $37^{48} - 7^{35}$	67.8	24.0	690.2		
105. $37^{52} - 7^{35}$	26.2	8.5	103.8		

Table 4.2

Master Grid Emissions

A. County Fulton

B. Year 1985

(1) Master Grid Designation	Emissions (tons/yr)				
	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
106. $37^{52} - 7^{39}$	113.8	43.7	664.3		
107. $37^{50} - 7^{33}$	18.5	2.2	2.3		
108. $37^{50} - 7^{41}$	23.1	2.7	2.8		
109. $37^{58} - 7^{33}$	0.0	0.0	0.0		
110. $37^{58} - 7^{41}$	86.7	30.5	603.8		
111. $37^{58} - 7^{49}$	56.5	19.8	393.1		
112. $37^{58} - 7^{57}$	12.0	4.3	84.2		
113. $37^{64} - 7^{33}$	27.4	7.5	127.5		
114. $37^{64} - 7^{41}$	147.8	69.3	1594.5		
115. $37^{64} - 7^{49}$	124.5	43.3	856.6		
116. $37^{64} - 7^{57}$	85.2	28.8	562.2		
117. $37^{64} - 7^{65}$	30.2	10.7	210.6		
118. $37^{72} - 7^{33}$	18.2	6.4	126.4		
119. $37^{72} - 7^{41}$	104.8	36.9	730.1		
120. $37^{72} - 7^{49}$	98.7	34.7	688.0		

Table 4.2

Master Grid Emissions

A. County Fulton
B. Year 1985

	Emissions (tons/yr)				
(1) Master Grid Designation	(2) Part.	(3) SO_x	(4) CO	(5) HC	(6) NO_x
121. 37^{72} - 7^{57}	17.2	6.4	126.4		
122. 37^{80} - 7^{41}	30.2	10.7	210.6		
123. 37^{80} - 7^{49}	44.3	45.6	308.9		

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